

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141916.D
 Acq On : 11 Mar 2025 14:56
 Operator : RC/JU
 Sample : Q1507-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVE

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141916.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	4	11	24	rVB	996776	1599977	11.09%	1.092%
2	5.493	570	578	583	rBV	2162679	2865424	19.87%	1.956%
3	6.498	742	749	757	rBV	2099529	2931109	20.32%	2.001%
4	6.881	809	814	820	rBV	774780	980743	6.80%	0.669%
5	7.439	899	909	913	rBV	1497996	2054264	14.24%	1.402%
6	8.157	1018	1031	1039	rBV	1022671	1434086	9.94%	0.979%
7	9.233	1208	1214	1219	rBV	3068656	3844465	26.66%	2.624%
8	9.910	1324	1329	1333	rBV	1148714	1561849	10.83%	1.066%
9	10.457	1419	1422	1426	rBV	156191	211258	1.46%	0.144%
10	10.622	1447	1450	1455	rVB2	443573	565565	3.92%	0.386%
11	10.698	1459	1463	1468	rBV	1812514	2323493	16.11%	1.586%
12	11.404	1579	1583	1584	rBV	931609	1180590	8.19%	0.806%
13	11.427	1584	1587	1591	rVV	3290141	4103661	28.46%	2.801%
14	11.474	1591	1595	1599	rVV	966040	1167142	8.09%	0.797%
15	11.904	1664	1668	1669	rBV	487688	615456	4.27%	0.420%
16	11.933	1669	1673	1678	rVV2	2383705	3634412	25.20%	2.481%
17	11.974	1678	1680	1683	rVV	379283	483106	3.35%	0.330%
18	12.016	1683	1687	1695	rVB2	1001378	1821027	12.63%	1.243%
19	12.198	1715	1718	1721	rBV	479366	674483	4.68%	0.460%
20	12.451	1758	1761	1764	rBV	254203	335598	2.33%	0.229%
21	12.539	1773	1776	1782	rVB	537620	745305	5.17%	0.509%
22	12.627	1784	1791	1797	rBV	8806503	14124477	97.94%	9.642%
23	12.727	1802	1808	1812	rBV	3181579	4895372	33.95%	3.342%
24	12.857	1823	1830	1835	rBV2	7885959	14421242	100.00%	9.844%
25	12.892	1835	1836	1842	rVB2	475620	441420	3.06%	0.301%
26	12.986	1844	1852	1859	rVB3	2378011	4465653	30.97%	3.048%
27	13.063	1859	1865	1873	rBV3	857007	1667926	11.57%	1.139%
28	13.174	1876	1884	1888	rVB2	1252250	2490004	17.27%	1.700%
29	13.239	1891	1895	1898	rBV2	677056	835027	5.79%	0.570%
30	13.274	1898	1901	1904	rBV2	895237	1121274	7.78%	0.765%
31	13.368	1914	1917	1920	rBV	403440	514437	3.57%	0.351%
32	13.398	1920	1922	1931	rVB2	521769	754918	5.23%	0.515%
33	13.563	1945	1950	1953	rBV4	255471	551865	3.83%	0.377%
34	13.680	1965	1970	1975	rVB	1354191	1876442	13.01%	1.281%
35	13.792	1984	1989	1992	rBV2	1341151	2149791	14.91%	1.468%
36	13.821	1992	1994	1996	rVV	941599	1121074	7.77%	0.765%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.851	1996	1999	2002	rVV2	995536	1583192	10.98%	1.081%
38	13.886	2002	2005	2013	rVB	1268173	1867689	12.95%	1.275%
39	13.957	2014	2017	2023	rVB	279864	388023	2.69%	0.265%
40	14.045	2023	2032	2035	rBV2	6164357	12196352	84.57%	8.326%
41	14.080	2035	2038	2044	rVB	6198145	8679315	60.18%	5.925%
42	14.151	2047	2050	2054	rBV	677975	852325	5.91%	0.582%
43	14.227	2061	2063	2066	rVV	347364	348238	2.41%	0.238%
44	14.263	2066	2069	2073	rVB2	483125	612540	4.25%	0.418%
45	14.392	2088	2091	2093	rBV2	227014	285803	1.98%	0.195%
46	14.427	2093	2097	2100	rVV	1008906	1318626	9.14%	0.900%
47	14.463	2100	2103	2106	rVB2	560140	658675	4.57%	0.450%
48	14.515	2108	2112	2115	rBV3	379124	605470	4.20%	0.413%
49	14.551	2115	2118	2121	rBV	326263	432662	3.00%	0.295%
50	14.621	2126	2130	2136	rVB4	392129	699241	4.85%	0.477%
51	14.733	2145	2149	2152	rBV	407055	612583	4.25%	0.418%
52	14.815	2160	2163	2167	rBV	228624	338894	2.35%	0.231%
53	14.915	2175	2180	2185	rBV2	317699	620076	4.30%	0.423%
54	15.098	2204	2211	2219	rBV	4352047	11367167	78.82%	7.760%
55	15.198	2225	2228	2233	rVB	606225	747075	5.18%	0.510%
56	15.292	2240	2244	2250	rBV2	211629	516117	3.58%	0.352%
57	15.404	2256	2263	2268	rVB	2012391	3537530	24.53%	2.415%
58	15.468	2268	2274	2279	rVB	2678490	4263059	29.56%	2.910%
59	15.521	2279	2283	2285	rBV	566008	829928	5.75%	0.567%
60	15.557	2285	2289	2295	rVB2	892362	1551077	10.76%	1.059%
61	17.009	2529	2536	2544	rVB2	998859	2274540	15.77%	1.553%
62	17.186	2561	2566	2571	rBV	180492	355837	2.47%	0.243%
63	17.245	2571	2576	2590	rVB2	233532	647901	4.49%	0.442%
64	17.462	2605	2613	2629	rVB	677077	1738409	12.05%	1.187%

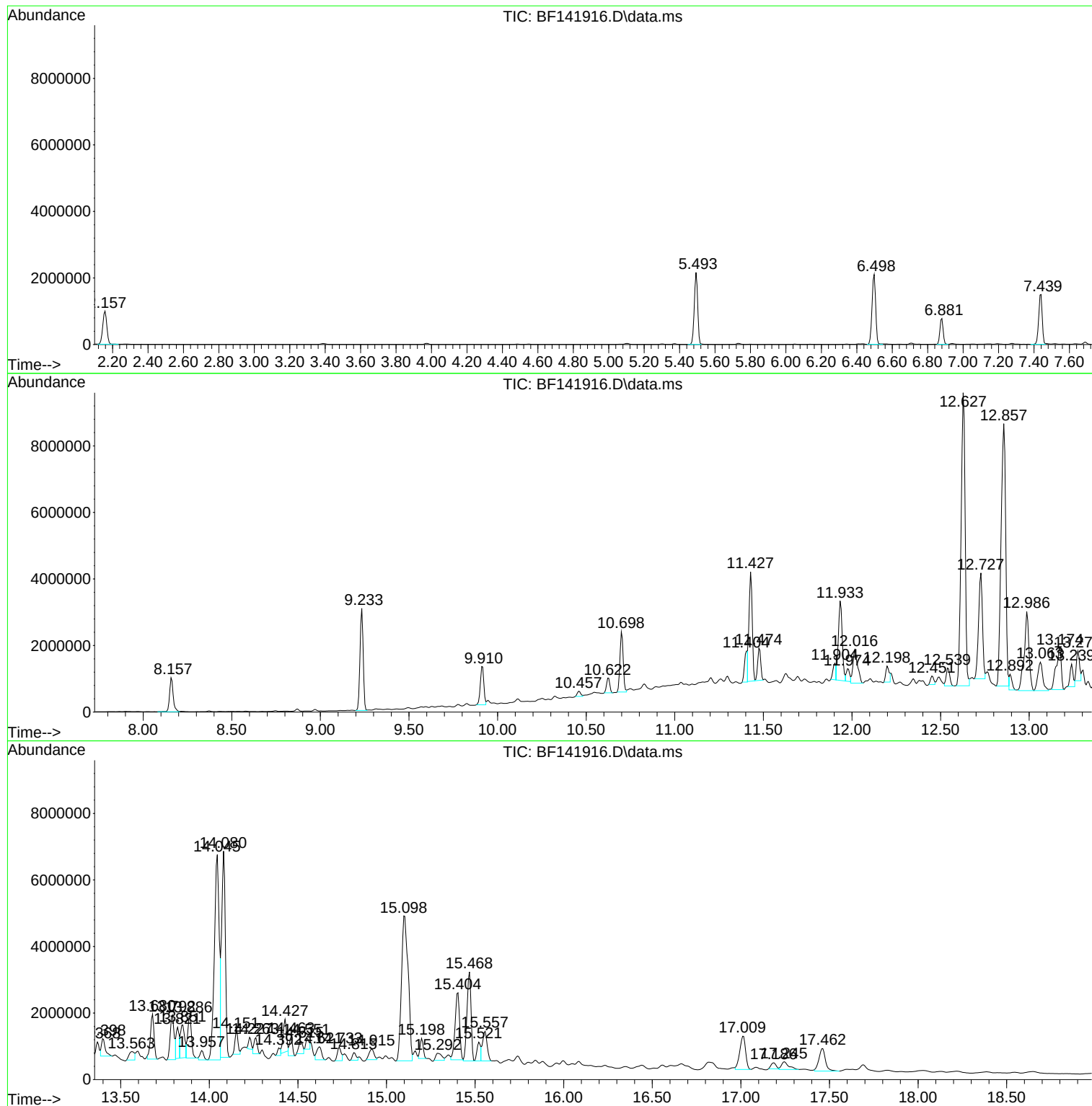
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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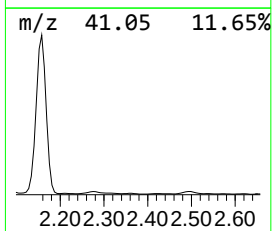
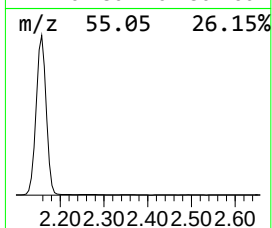
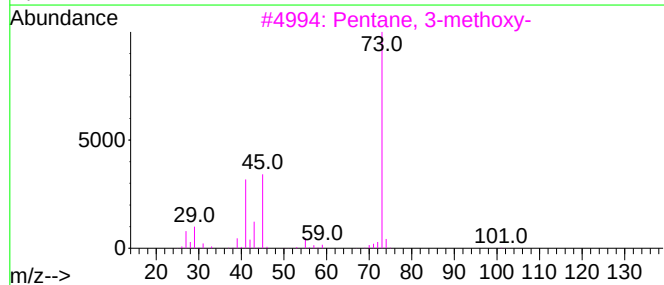
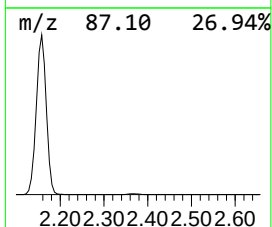
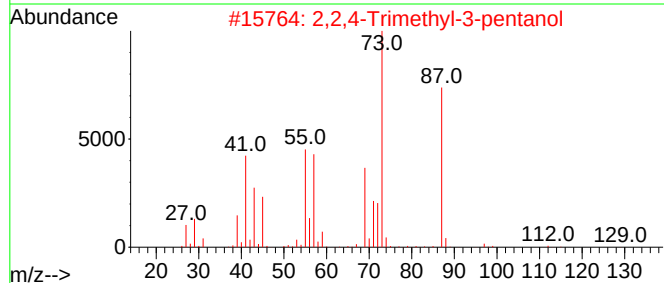
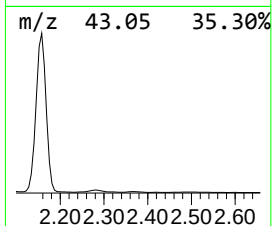
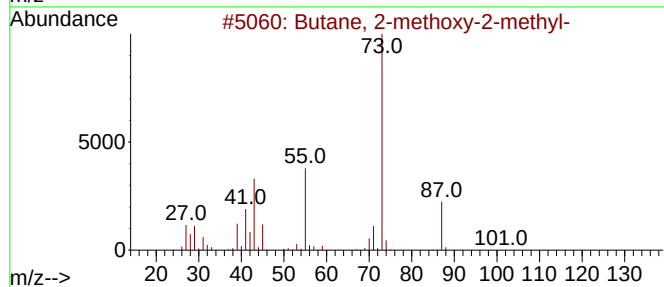
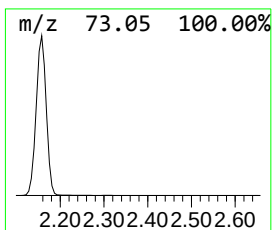
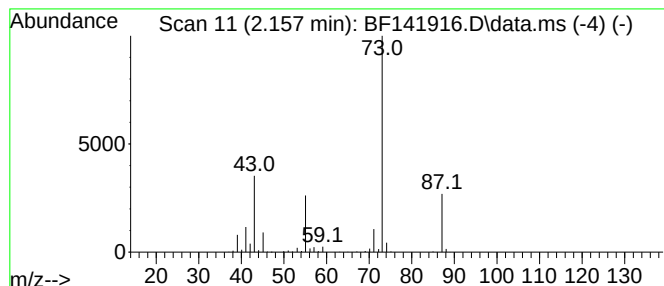
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	32.63 ng	1599980	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



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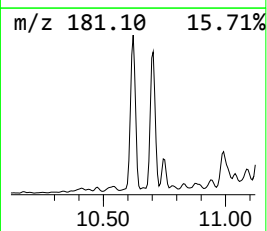
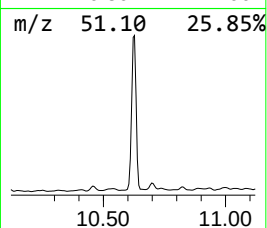
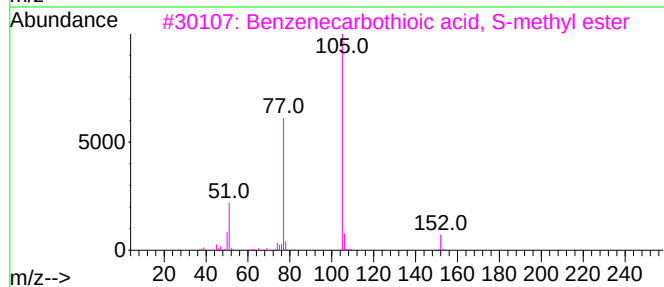
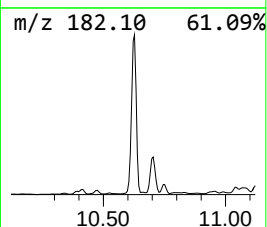
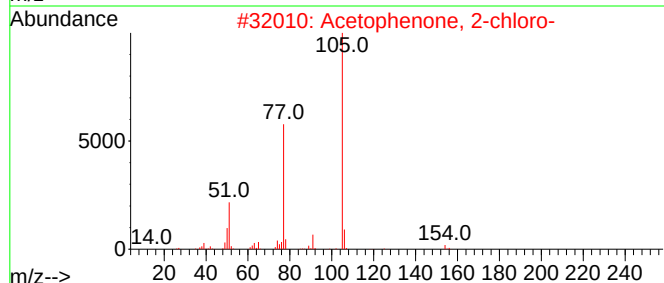
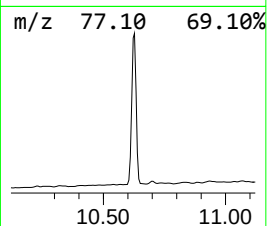
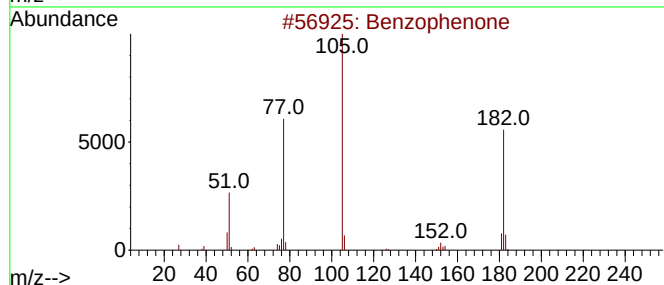
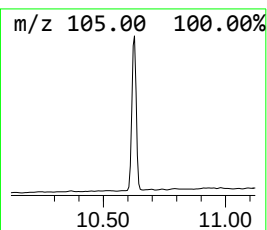
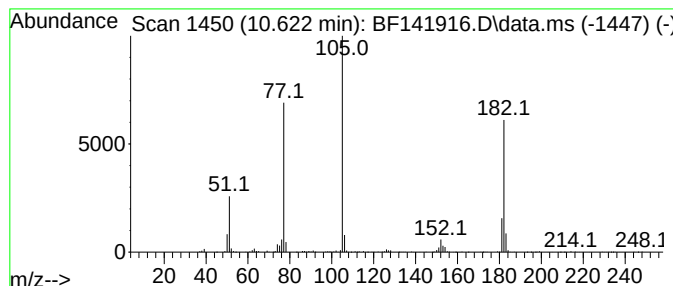
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	7.24 ng	565565	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4			N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47
5			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



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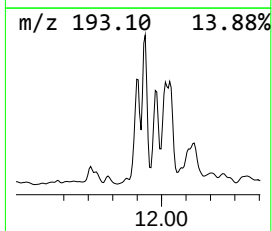
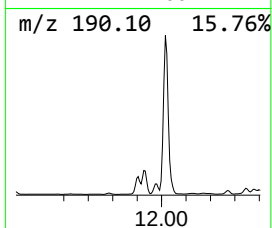
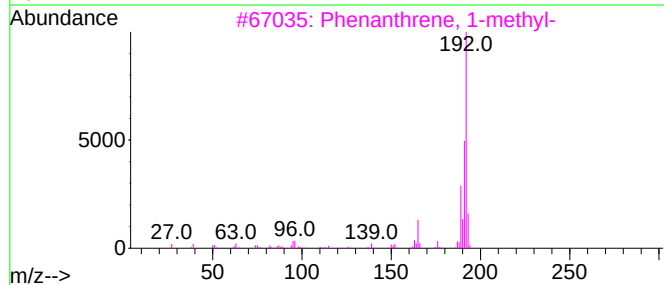
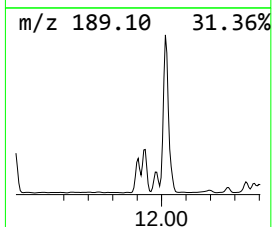
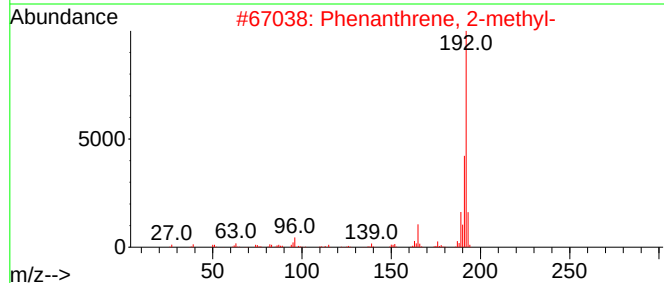
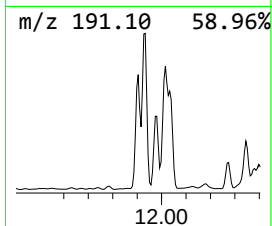
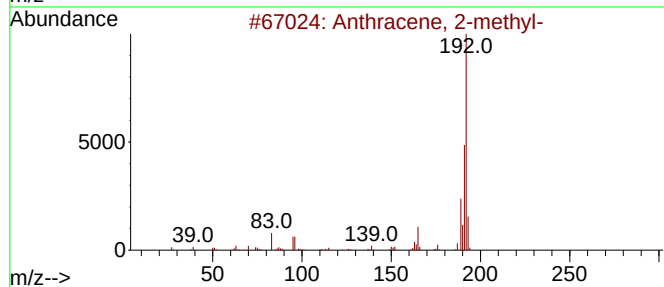
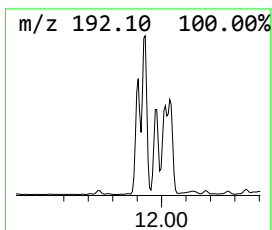
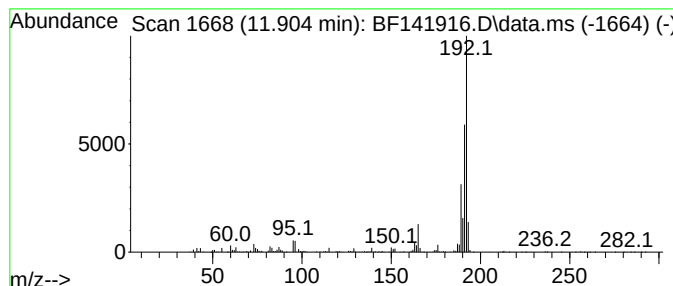
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.904	10.43 ng	615456	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-		192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-		192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-		192	C15H12	000779-02-2	93



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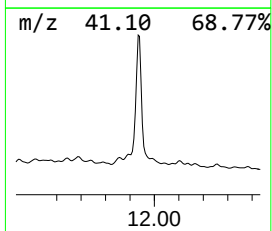
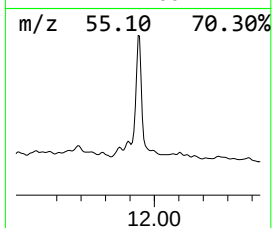
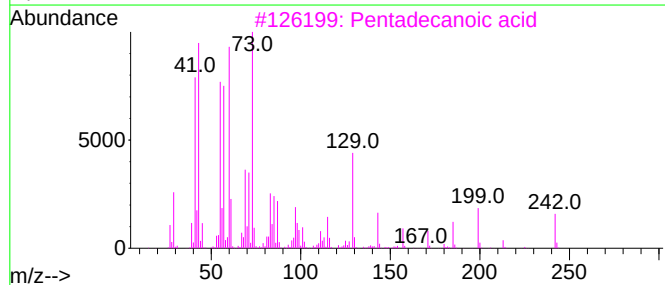
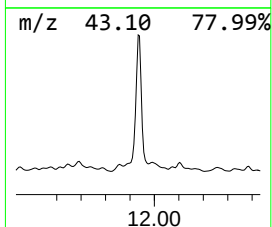
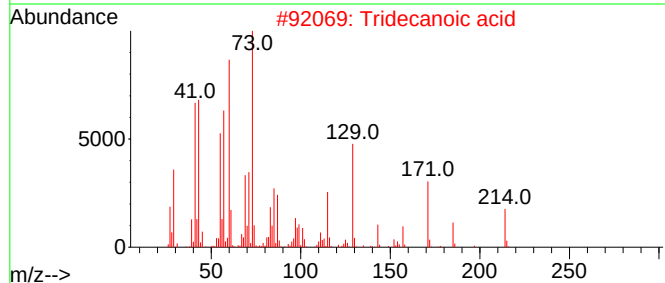
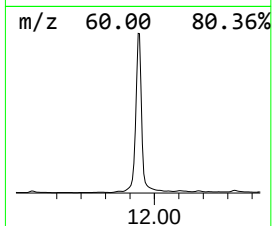
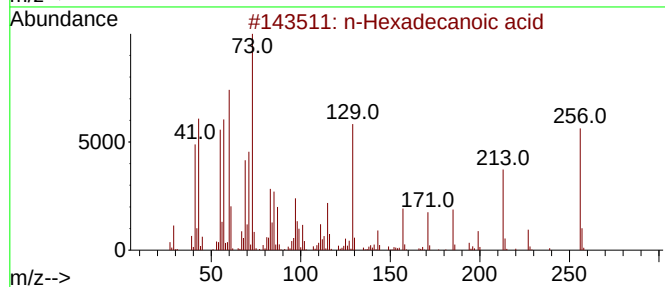
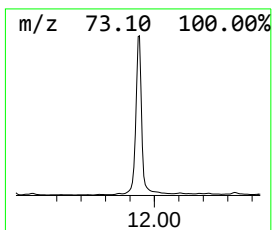
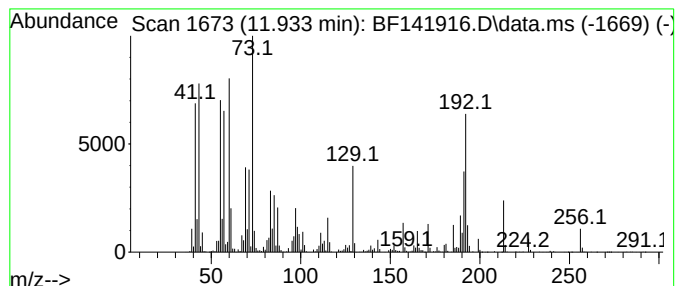
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.933	61.57 ng	3634410	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	89
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	89
5	n-Decanoic acid		172	C10H20O2	000334-48-5	64



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ClientSampleId :
50-MIDDLESEX-AVE

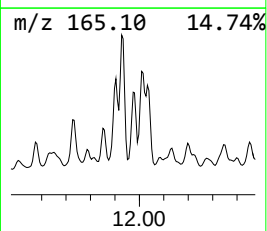
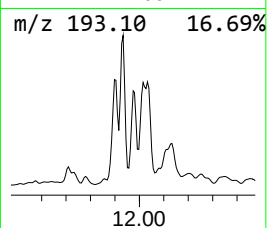
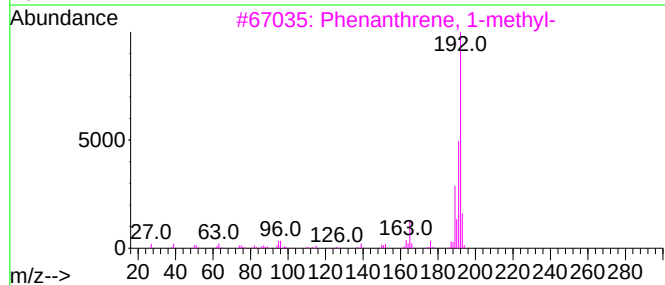
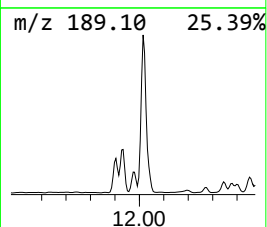
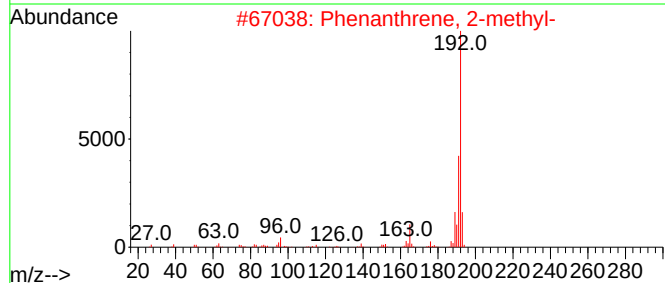
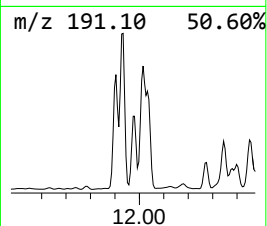
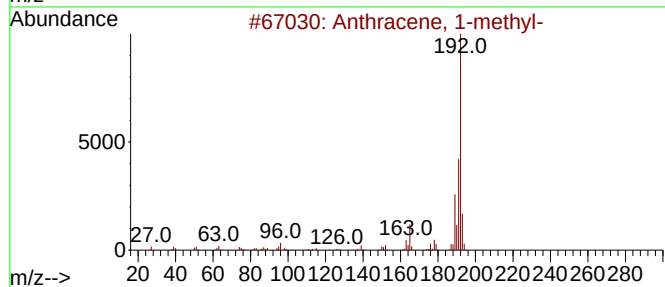
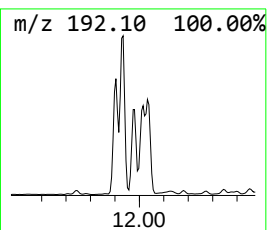
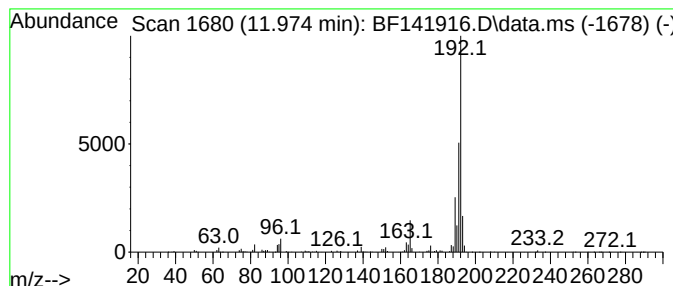
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	8.18 ng	483106	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

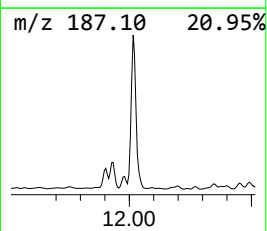
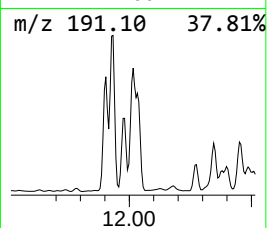
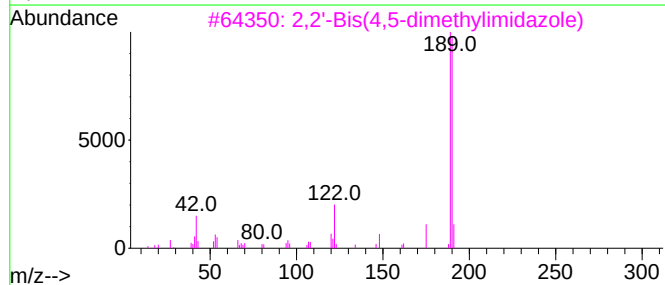
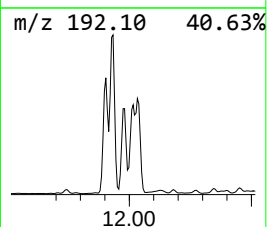
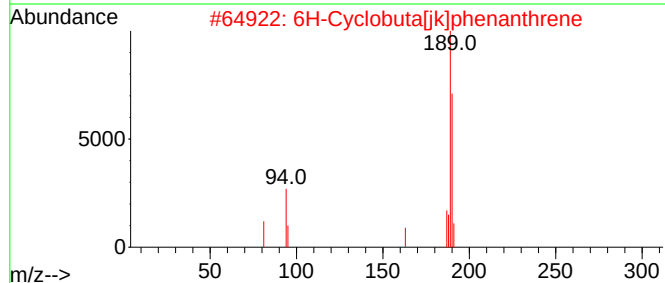
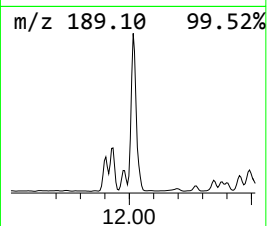
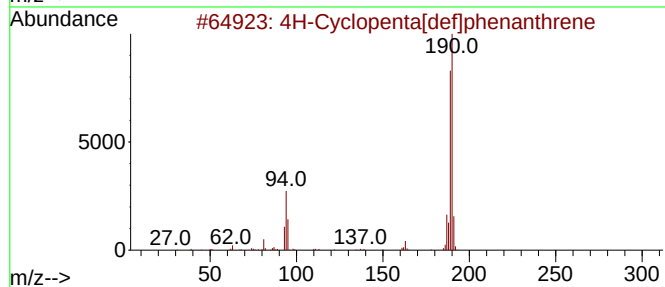
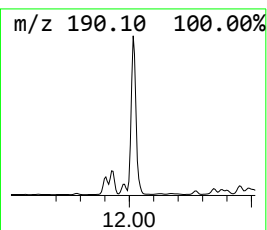
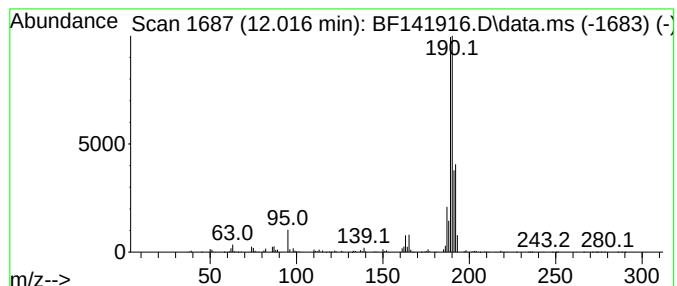
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.016	30.85 ng	1821030	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25
5	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE

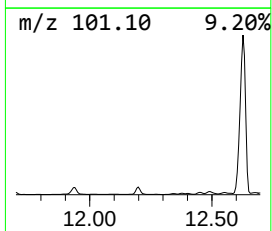
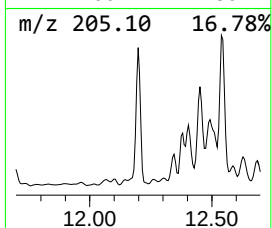
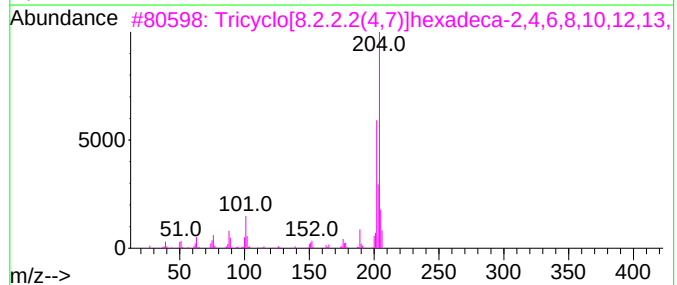
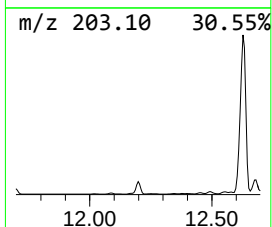
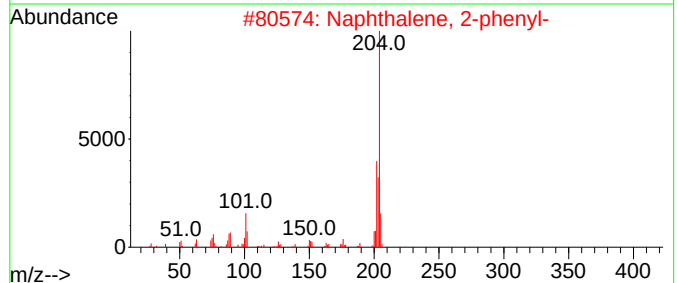
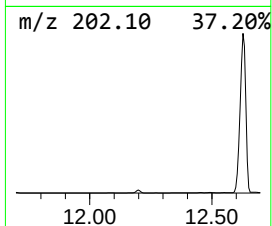
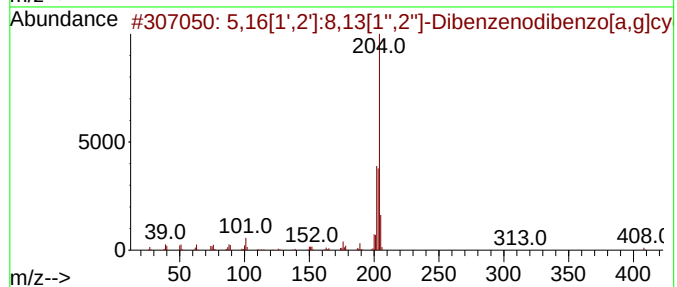
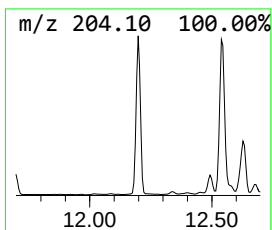
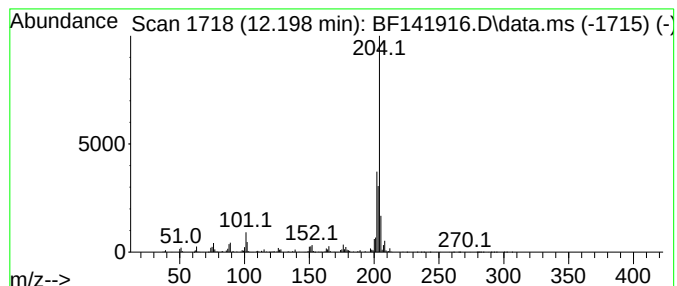
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	11.43 ng	674483	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91	
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90	
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74	
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70	
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
50-MIDDLESEX-AVE

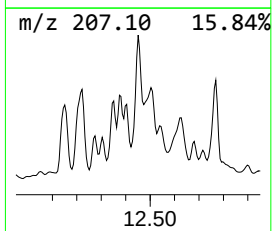
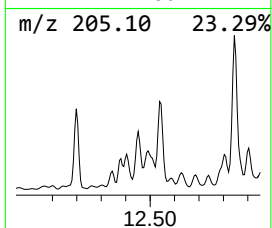
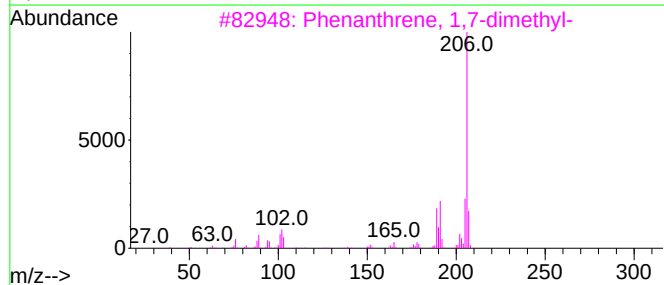
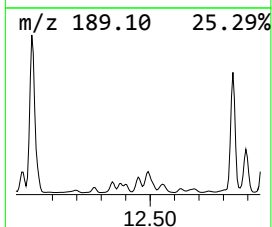
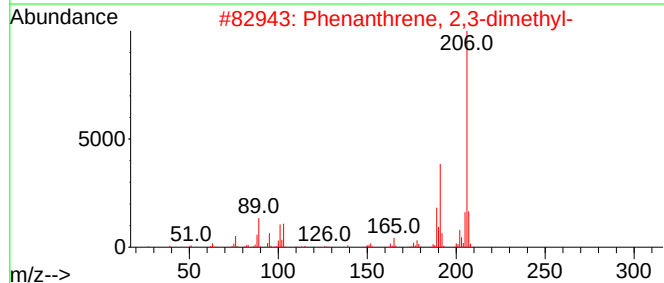
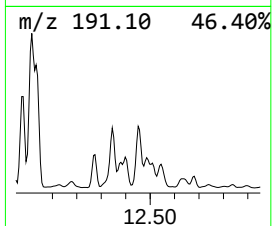
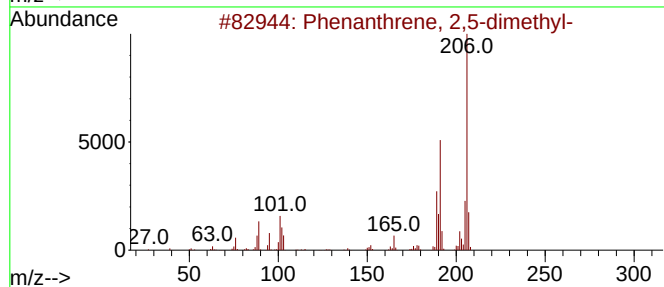
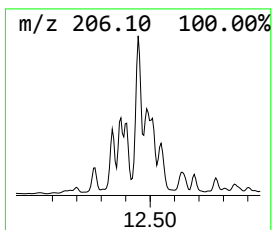
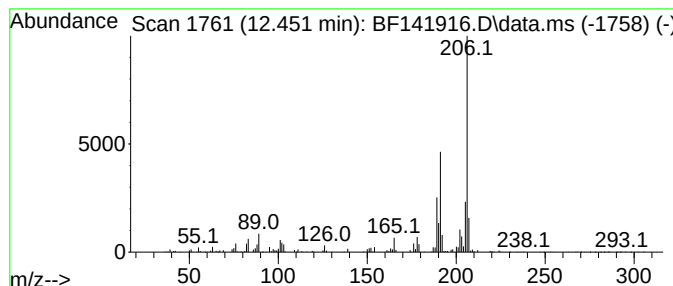
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	5.69 ng	335598	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4			9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
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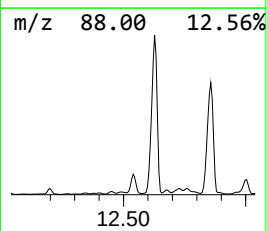
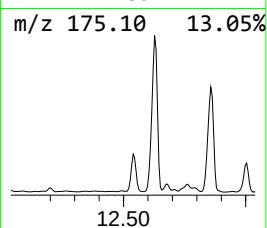
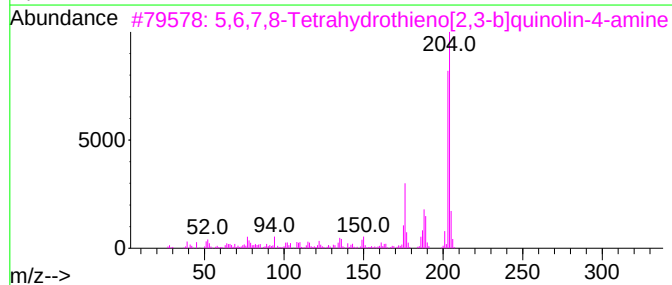
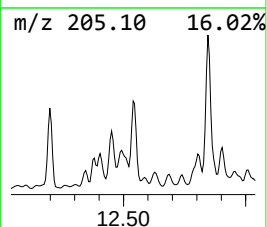
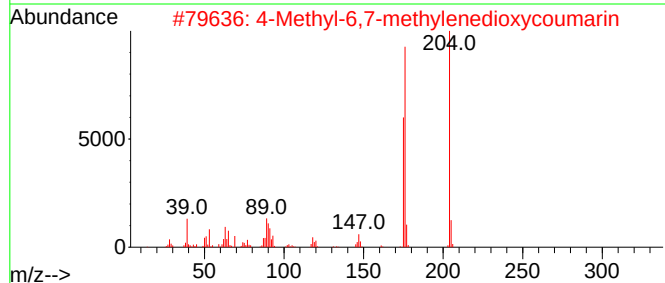
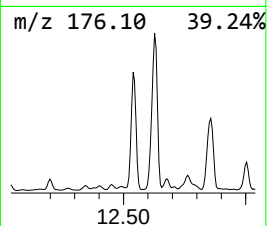
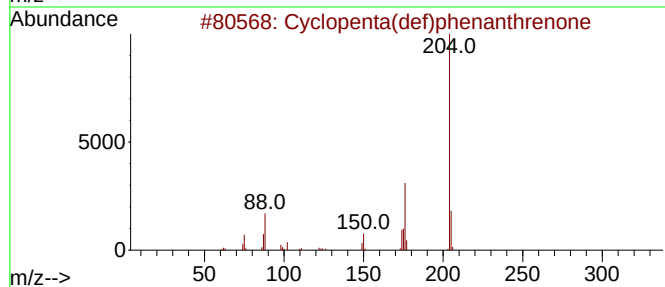
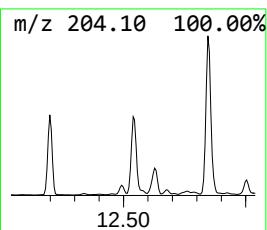
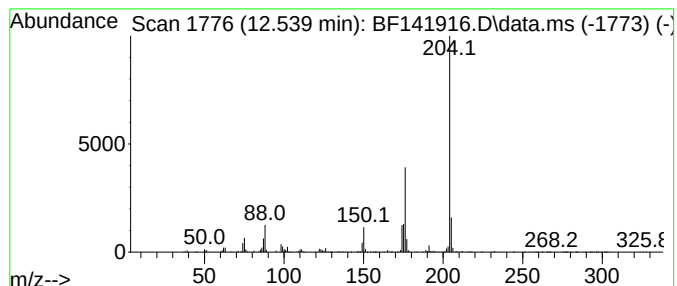
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.539	12.63 ng	745305	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	90
2	4-Methyl-6,7-methylenedioxycoumarin		204	C11H8O4	015071-04-2	59
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...		204	C11H12N2S	122914-50-5	53
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...		219	C12H13NO3	1000147-59-7	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile		204	C14H8N2	004341-02-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
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Misc :
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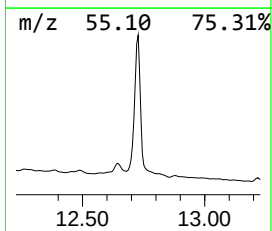
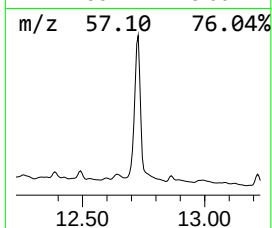
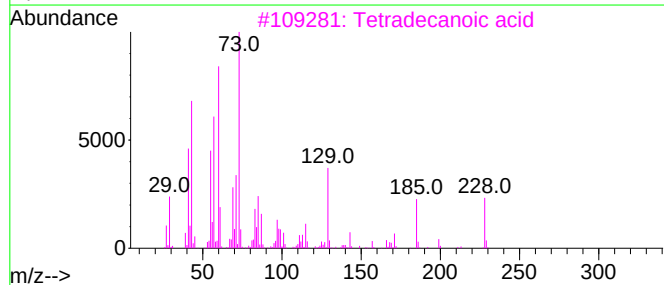
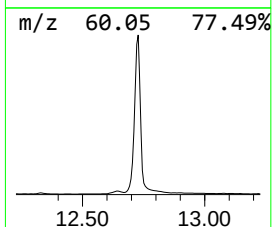
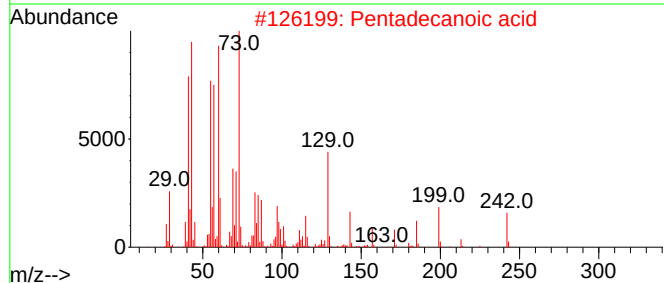
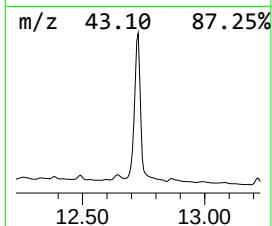
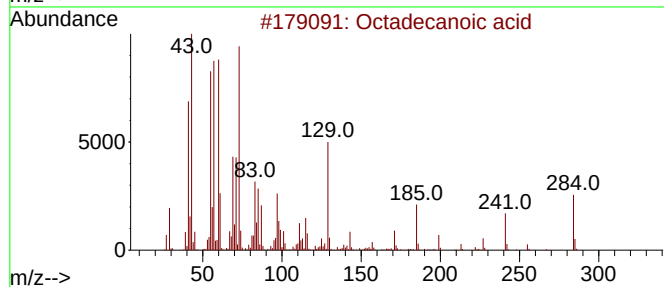
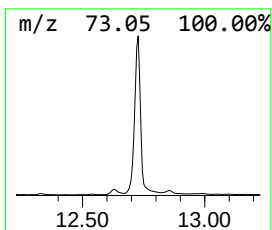
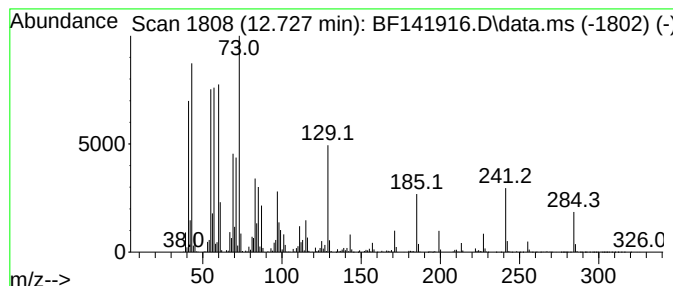
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.727	8.03 ng	4895370	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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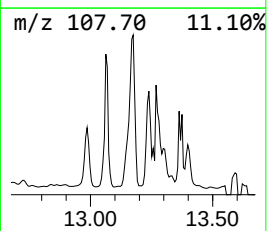
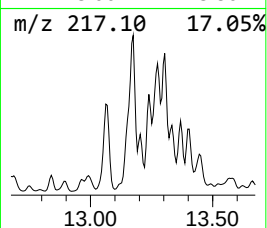
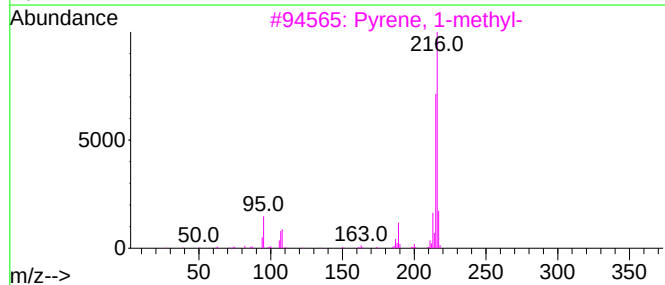
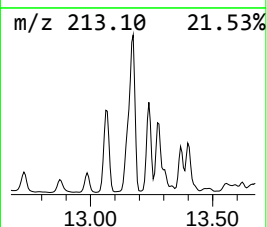
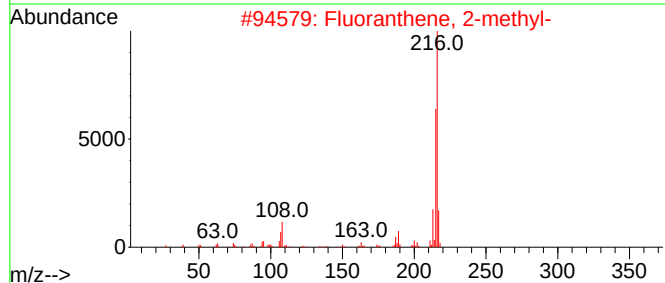
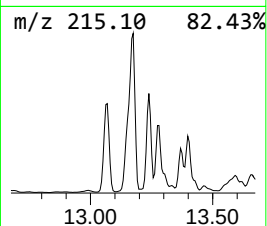
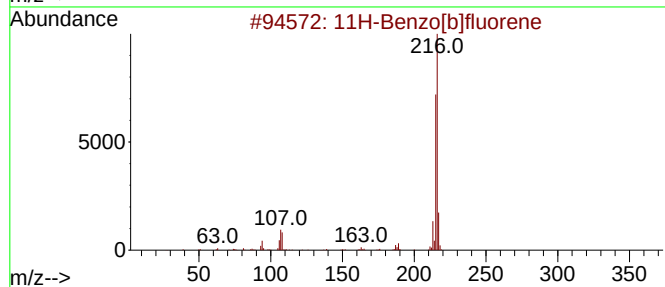
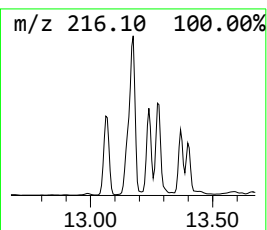
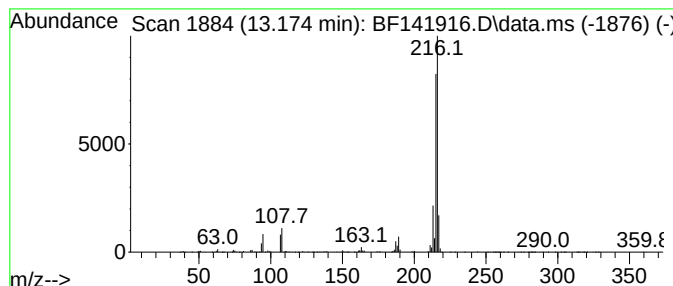
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	4.08 ng	2490000	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE

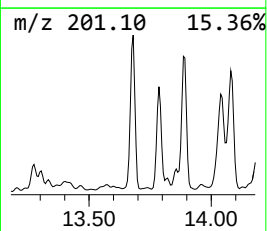
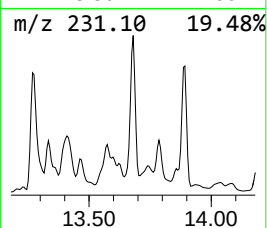
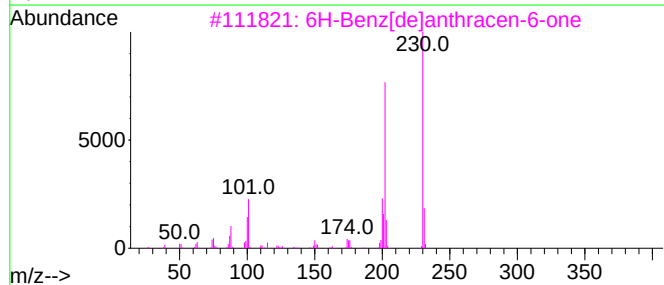
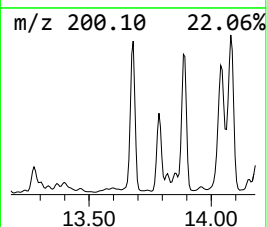
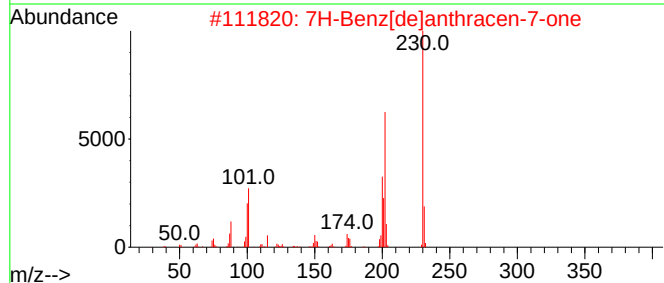
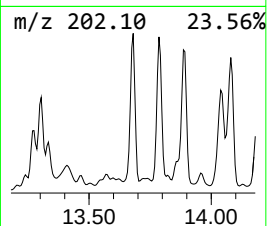
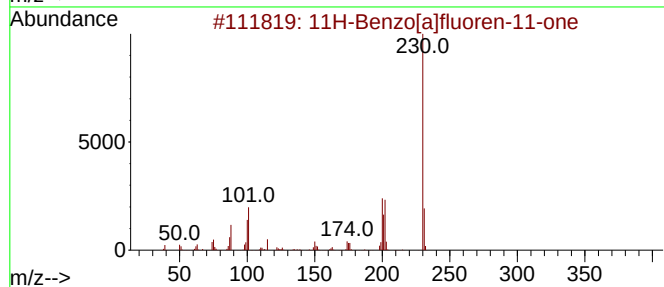
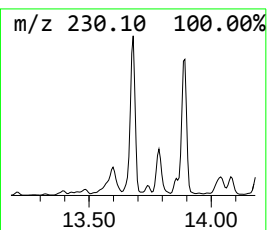
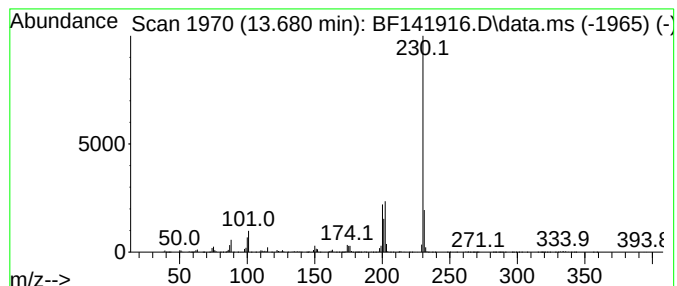
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.680	3.08 ng	1876440	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
4			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78
5			2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

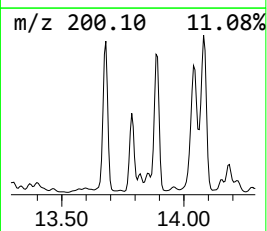
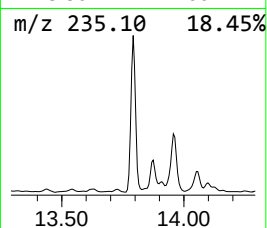
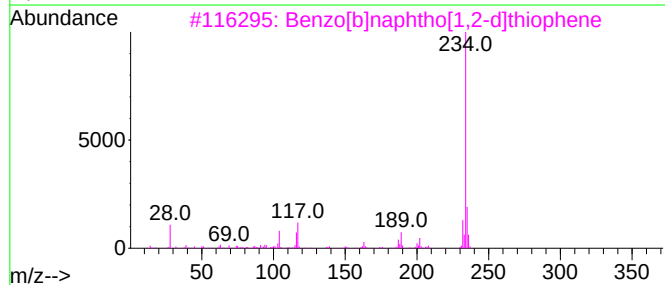
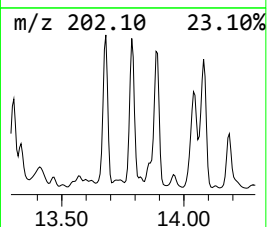
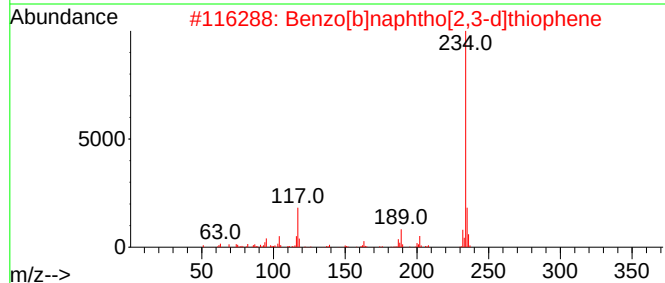
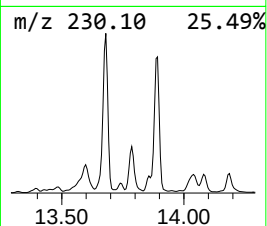
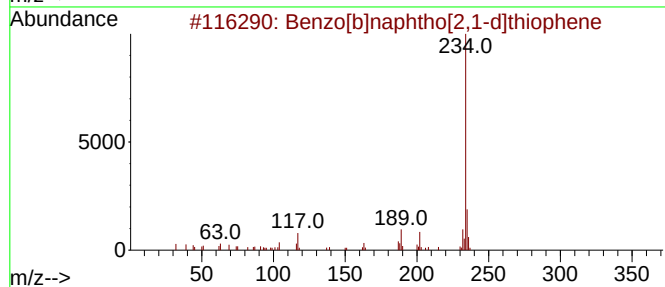
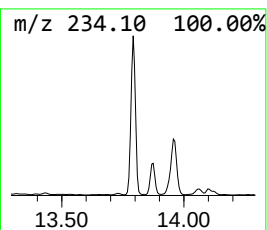
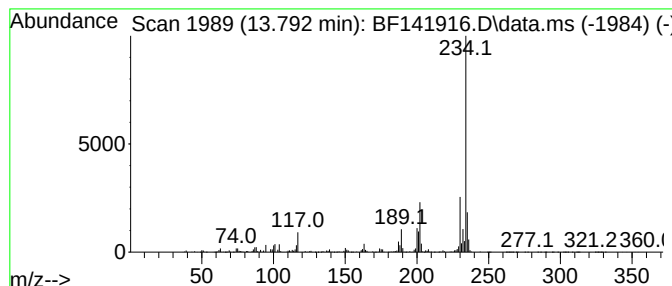
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.792	3.53 ng	2149790	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	47
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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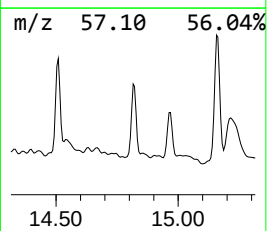
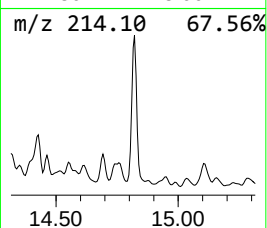
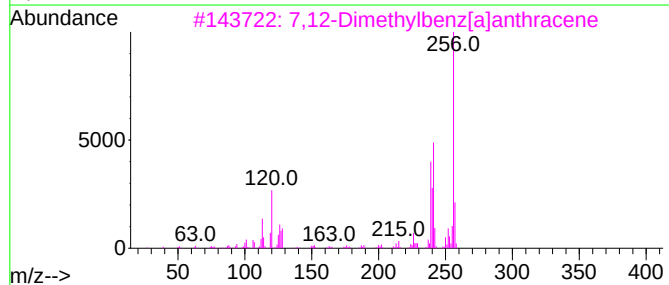
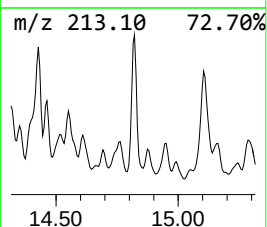
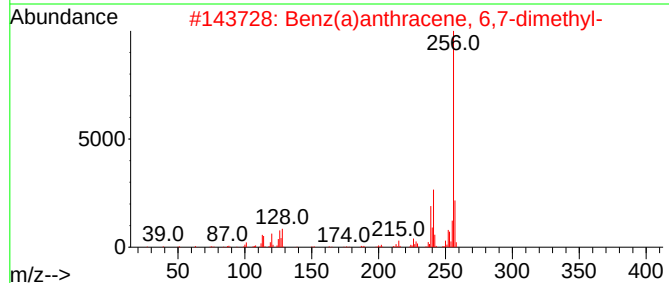
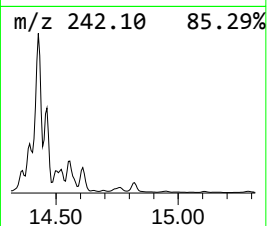
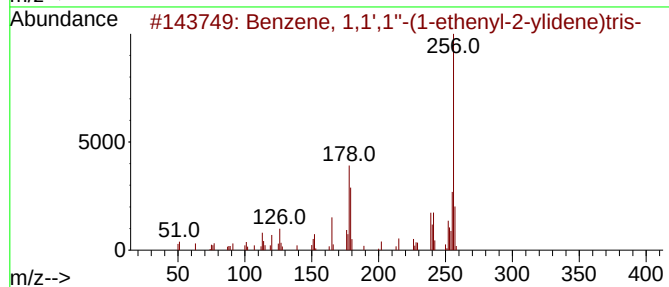
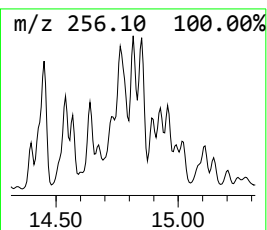
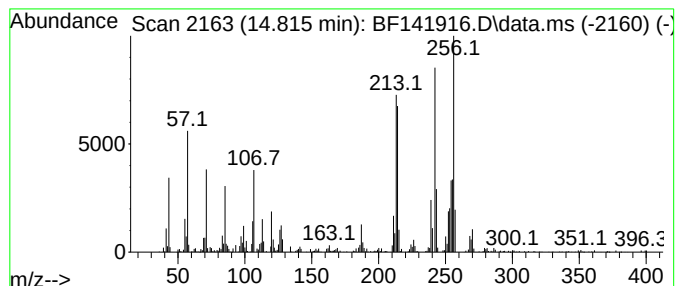
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown14.816 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	8.17 ng	338894	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	38
2			Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	38
3			7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	35
4			3,4-Dihydro-1,1'-binaphthalene	256	C20H16	021039-44-1	30
5			Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
50-MIDDLESEX-AVE

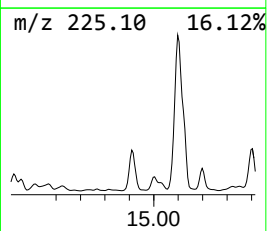
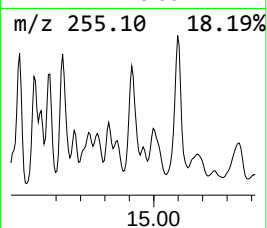
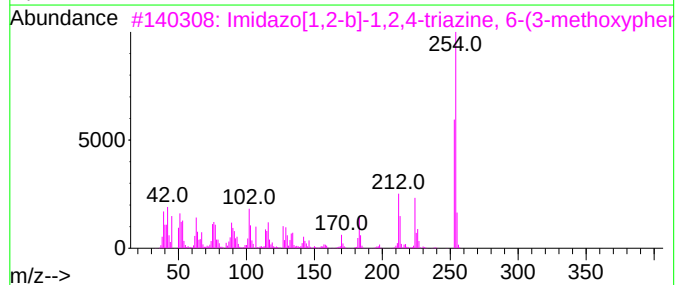
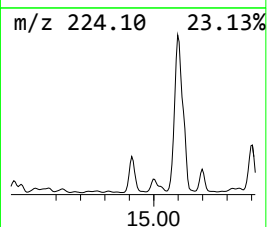
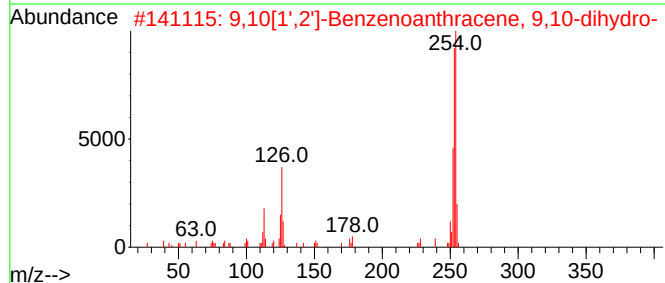
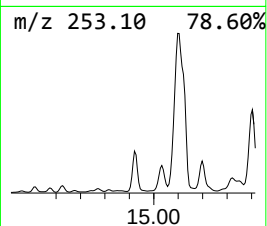
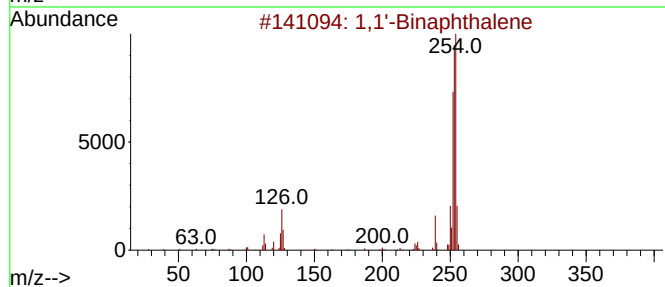
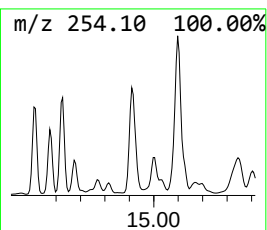
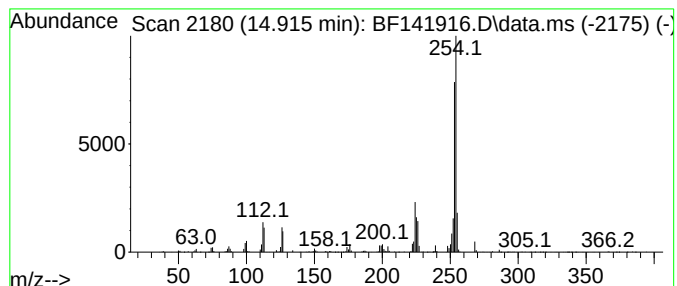
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,1'-Binaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.915	14.94 ng	620076	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene			254	C20H14	000604-53-5	76
2	9,10[1',2']-Benzenoanthracene, 9...			254	C20H14	000477-75-8	76
3	Imidazo[1,2-b]-1,2,4-triazine, 6...			254	C14H14N4O	1000277-24-4	72
4	1,2'-Binaphthalene			254	C20H14	004325-74-0	68
5	9H-Fluorene, 9-(phenylmethylene)-			254	C20H14	001836-87-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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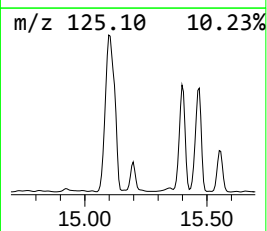
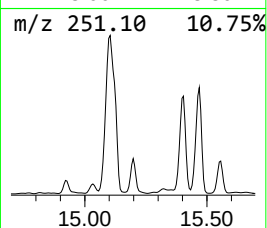
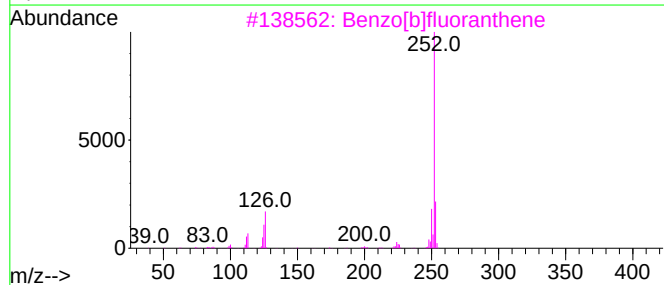
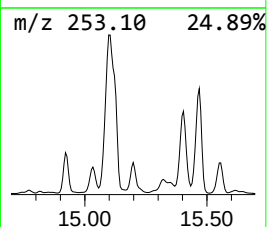
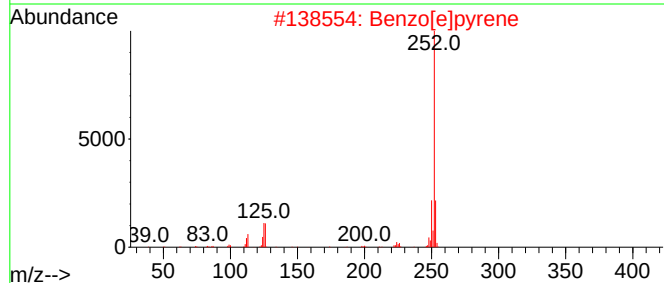
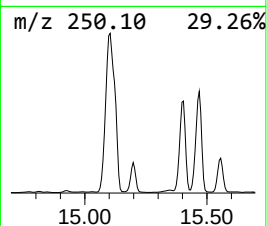
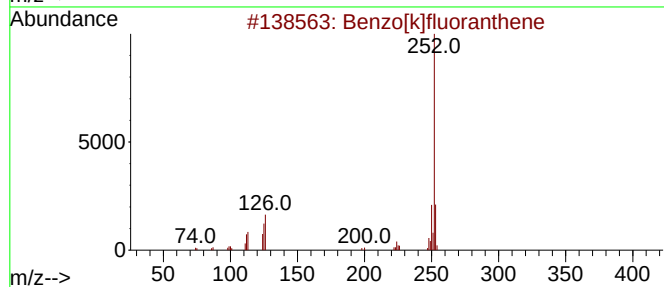
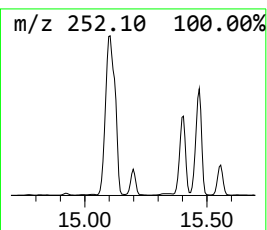
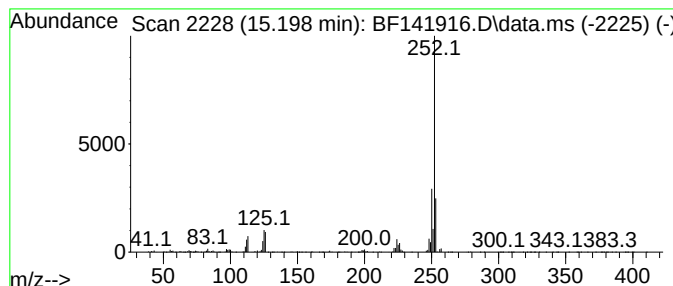
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	18.00 ng	747075	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2			Benzo[e]pyrene	252	C20H12	000192-97-2	96
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
50-MIDDLESEX-AVE

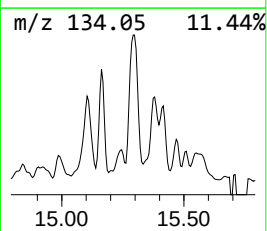
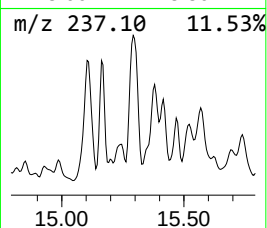
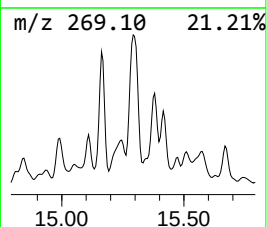
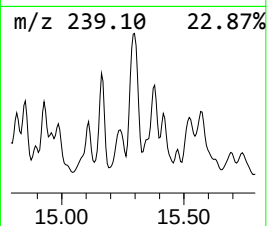
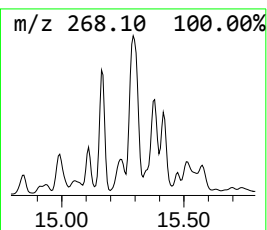
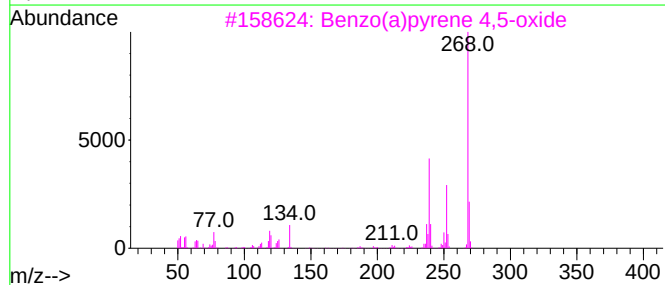
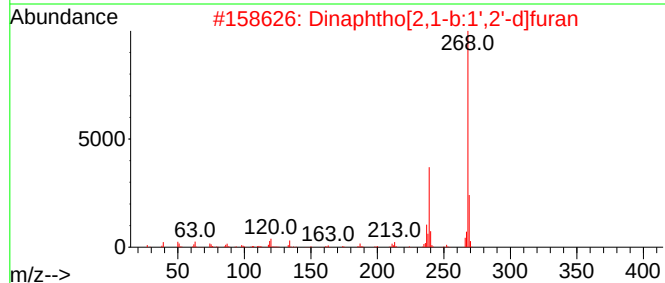
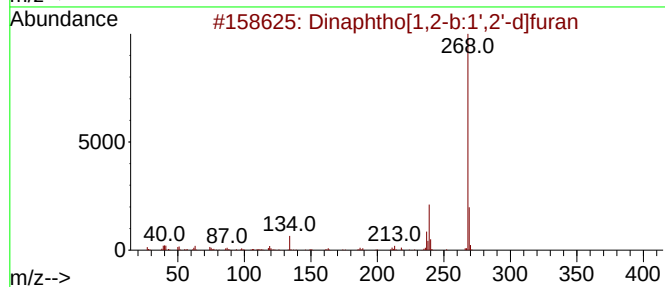
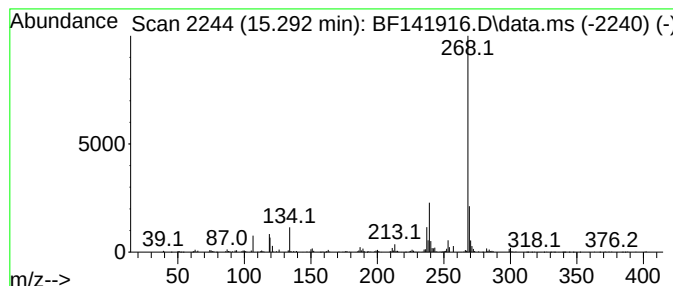
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.292	12.44 ng	516117	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	96
2			Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3			Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	86
4			Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	68
5			9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
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ALS Vial : 8 Sample Multiplier: 1

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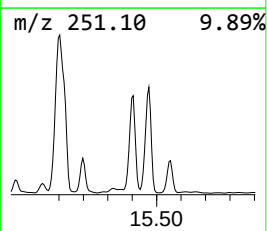
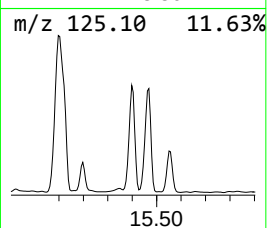
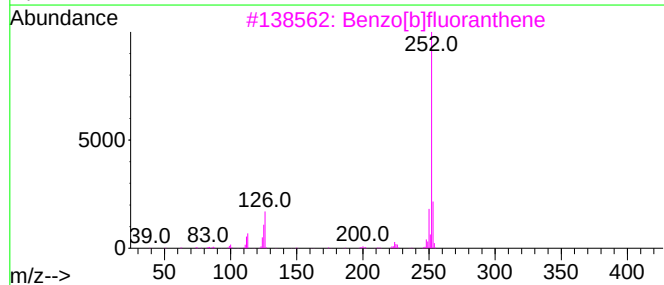
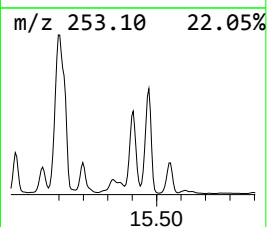
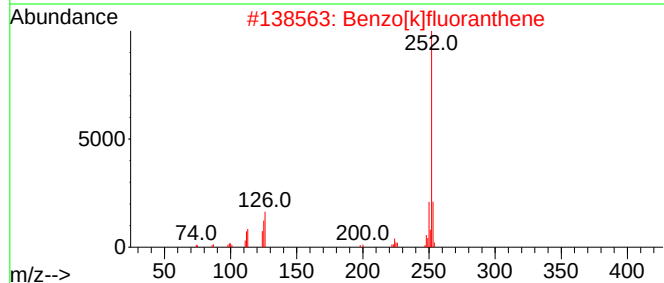
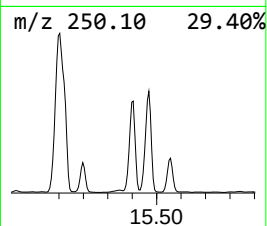
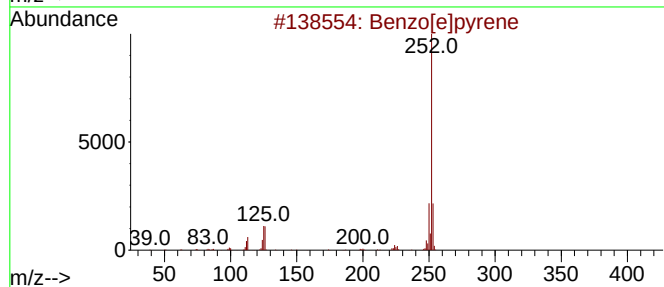
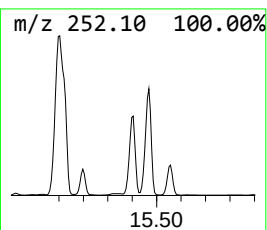
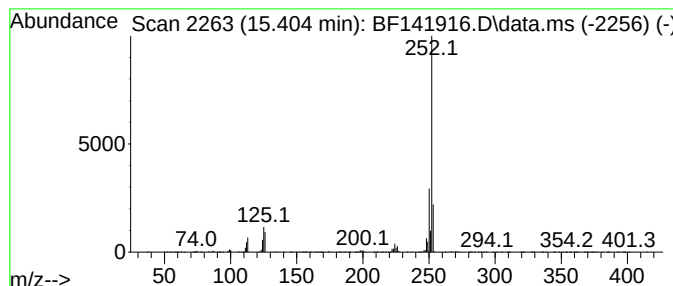
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.404	85.25 ng	3537530	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	94
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE

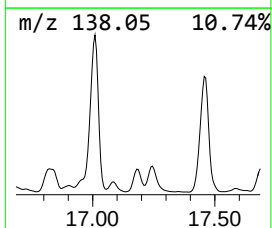
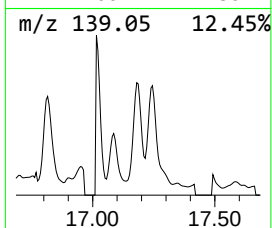
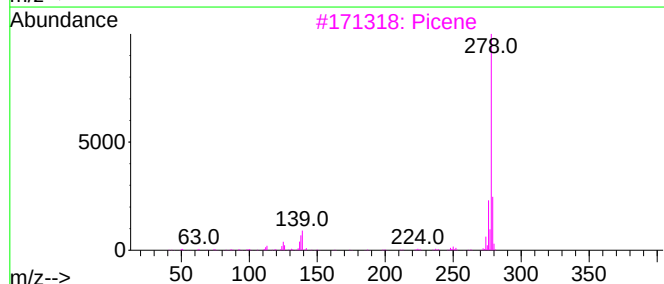
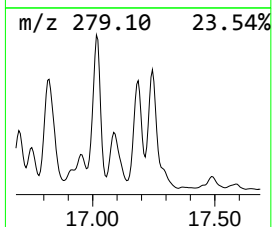
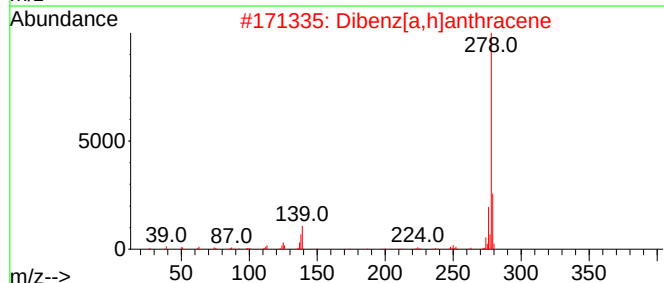
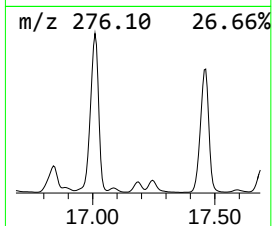
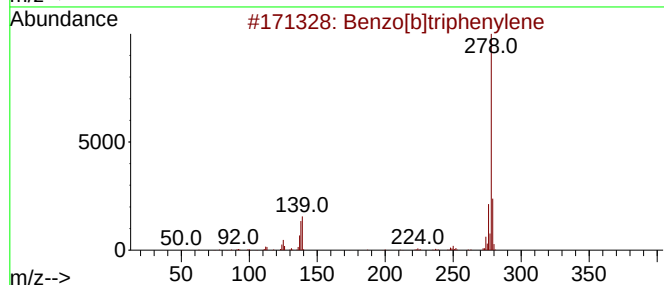
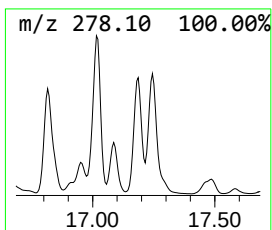
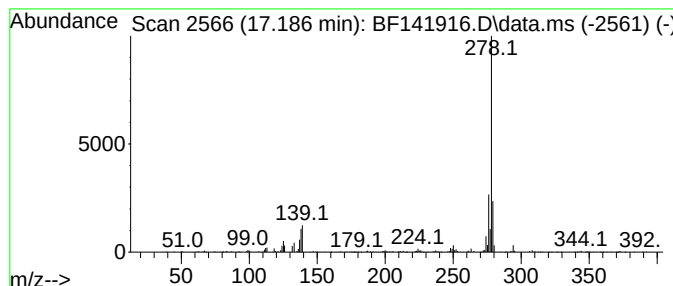
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	8.58 ng	355837	Perylene-d12	15.521

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3			Picene	278	C22H14	000213-46-7	98
4			Benzo[b]chrysene	278	C22H14	000214-17-5	97
5			Pentaphene	278	C22H14	000222-93-5	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

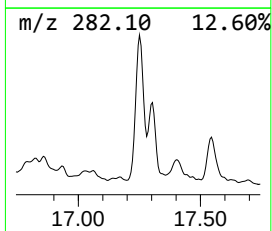
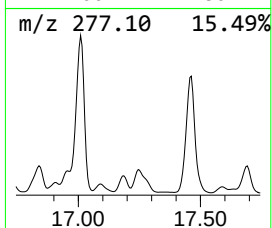
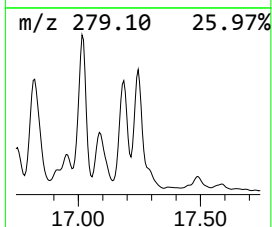
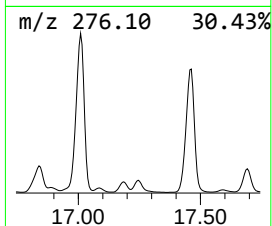
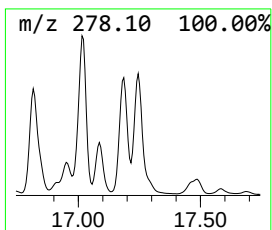
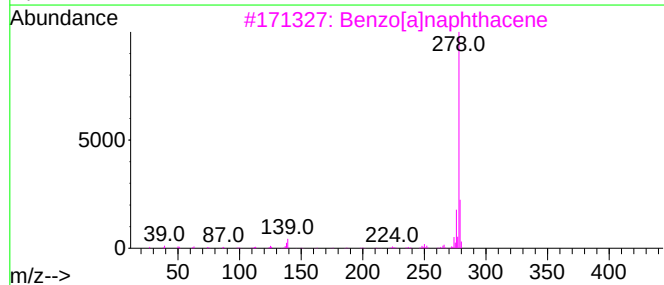
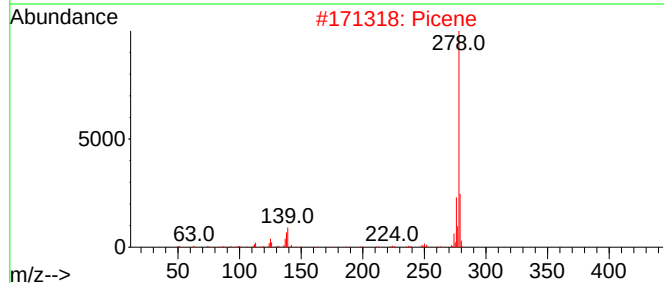
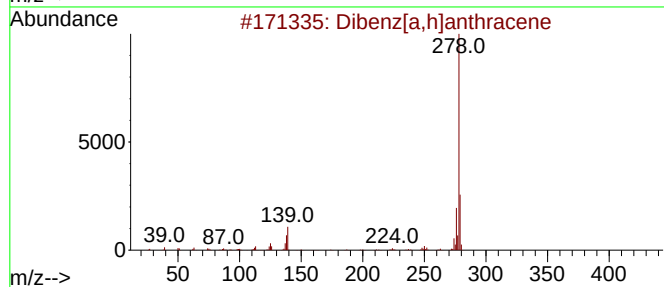
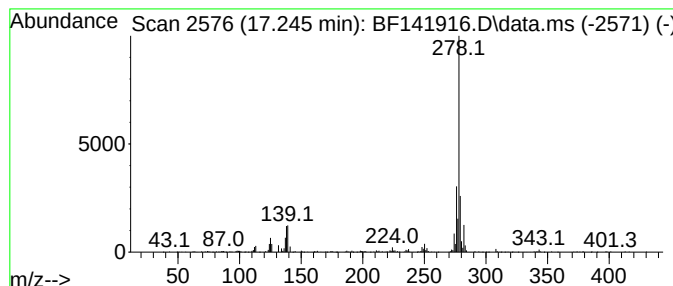
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.245	15.61 ng	647901	Perylene-d12	15.521	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
2	Picene	278	C22H14	000213-46-7	96
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	95
4	Benzo[b]chrysene	278	C22H14	000214-17-5	94
5	Pentaphene	278	C22H14	000222-93-5	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141916.D
 Acq On : 11 Mar 2025 14:56
 Operator : RC/JU
 Sample : Q1507-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.157	32.6	ng	1599980	1	6.881	980743	20.0
Benzophenone	10.622	7.2	ng	565565	3	9.916	1561850	20.0
Anthracene, 2-m...	11.904	10.4	ng	615456	4	11.404	1180590	20.0
n-Hexadecanoic ...	11.933	61.6	ng	3634410	4	11.404	1180590	20.0
Anthracene, 1-m...	11.975	8.2	ng	483106	4	11.404	1180590	20.0
4H-Cyclopenta[d...	12.016	30.9	ng	1821030	4	11.404	1180590	20.0
5,16[1',2']:8,1...	12.198	11.4	ng	674483	4	11.404	1180590	20.0
Phenanthrene, 2...	12.451	5.7	ng	335598	4	11.404	1180590	20.0
Cyclopenta(def)...	12.539	12.6	ng	745305	4	11.404	1180590	20.0
Octadecanoic acid	12.727	8.0	ng	4895370	5	14.051	12196400	20.0
11H-Benzo[b]flu...	13.174	4.1	ng	2490000	5	14.051	12196400	20.0
11H-Benzo[a]flu...	13.680	3.1	ng	1876440	5	14.051	12196400	20.0
Benzo[b]naphtho...	13.792	3.5	ng	2149790	5	14.051	12196400	20.0
unknown14.816	14.816	8.2	ng	338894	6	15.521	829928	20.0
1,1'-Binaphthalene	14.915	14.9	ng	620076	6	15.521	829928	20.0
Benzo[e]pyrene	15.198	18.0	ng	747075	6	15.521	829928	20.0
Dinaphtho[1,2-b...	15.292	12.4	ng	516117	6	15.521	829928	20.0
Perylene	15.404	85.3	ng	3537530	6	15.521	829928	20.0
Benzo[b]triphen...	17.186	8.6	ng	355837	6	15.521	829928	20.0
Picene	17.245	15.6	ng	647901	6	15.521	829928	20.0