

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020720\
 Data File : BF118850.D
 Acq On : 7 Feb 2020 15:04
 Operator : CG/JU
 Sample : L1439-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAM-SB-BC-0-5

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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-BF020320.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.857	291	301	308	rBV	59056	89737	1.61%	0.153%
2	5.022	496	499	506	rVB	68108	85559	1.54%	0.146%
3	5.434	565	569	572	rBV	3481592	3265718	58.68%	5.573%
4	6.445	736	741	744	rBV	3405448	3260004	58.58%	5.563%
5	6.810	800	803	807	rBV	1342796	1186778	21.33%	2.025%
6	6.969	826	830	834	rBV	3533784	2992614	53.78%	5.107%
7	7.216	867	872	882	rBV	89881	120337	2.16%	0.205%
8	7.369	893	898	902	rBV	2305203	2237819	40.21%	3.819%
9	8.092	1017	1021	1031	rBV	1749194	1612831	28.98%	2.752%
10	9.169	1200	1204	1217	rBV	4540422	4367041	78.47%	7.452%
11	9.563	1268	1271	1279	rVB	128390	137824	2.48%	0.235%
12	9.845	1313	1319	1323	rBV	1874183	1888866	33.94%	3.223%
13	9.880	1323	1325	1334	rVB2	139580	171119	3.07%	0.292%
14	10.051	1350	1354	1358	rBV	79363	78106	1.40%	0.133%
15	10.392	1409	1412	1418	rVB	124272	113199	2.03%	0.193%
16	10.486	1425	1428	1430	rBV	146823	136364	2.45%	0.233%
17	10.633	1449	1453	1458	rBV	3270096	3035714	54.55%	5.180%
18	10.680	1458	1461	1471	rVV	484583	605546	10.88%	1.033%
19	10.757	1471	1474	1482	rVB5	55718	88175	1.58%	0.150%
20	10.939	1498	1505	1508	rBV4	31798	60755	1.09%	0.104%
21	11.227	1552	1554	1559	rVB	81332	81059	1.46%	0.138%
22	11.333	1568	1572	1574	rBV	2078080	2009936	36.12%	3.430%
23	11.357	1574	1576	1579	rVV	1157260	945983	17.00%	1.614%
24	11.404	1579	1584	1588	rVB	301473	292145	5.25%	0.499%
25	11.557	1605	1610	1614	rBV2	124953	154699	2.78%	0.264%
26	11.833	1653	1657	1659	rBV	153581	145007	2.61%	0.247%
27	11.863	1659	1662	1666	rVV	558791	559140	10.05%	0.954%
28	11.910	1667	1670	1673	rVV2	95019	127681	2.29%	0.218%
29	11.945	1673	1676	1678	rVV2	273251	316810	5.69%	0.541%
30	11.974	1678	1681	1684	rVB2	154202	216445	3.89%	0.369%
31	12.080	1695	1699	1703	rBV	339215	306041	5.50%	0.522%
32	12.127	1703	1707	1709	rVV	111487	104208	1.87%	0.178%
33	12.151	1709	1711	1715	rVV2	91021	91441	1.64%	0.156%
34	12.192	1715	1718	1724	rVB	1235905	1059062	19.03%	1.807%

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35	12.280	1727	1733	1736	rBV	497249	429116	7.71%	0.732%
36	12.363	1744	1747	1748	rBV	87996	77169	1.39%	0.132%
37	12.386	1748	1751	1753	rVV	102618	112201	2.02%	0.191%
38	12.421	1753	1757	1762	rVB3	73228	119112	2.14%	0.203%
39	12.469	1762	1765	1770	rVB2	71655	80443	1.45%	0.137%
40	12.545	1774	1778	1781	rBV	1604390	1407889	25.30%	2.402%
41	12.586	1781	1785	1791	rVB2	252643	266315	4.79%	0.454%
42	12.645	1791	1795	1799	rBV3	158309	198129	3.56%	0.338%
43	12.692	1801	1803	1810	rVB4	45484	63145	1.13%	0.108%
44	12.769	1810	1816	1819	rBV	1298972	1412256	25.38%	2.410%
45	12.827	1823	1826	1833	rVB3	83101	121932	2.19%	0.208%
46	12.886	1833	1836	1837	rBV	119400	105751	1.90%	0.180%
47	12.916	1837	1841	1849	rVB	4535766	4137184	74.34%	7.060%
48	12.992	1849	1854	1856	rBV3	105643	170418	3.06%	0.291%
49	13.063	1861	1866	1869	rVV	5358832	5564981	100.00%	9.496%
50	13.104	1870	1873	1876	rVB	189580	188827	3.39%	0.322%
51	13.168	1881	1884	1886	rVV	150161	153154	2.75%	0.261%
52	13.204	1886	1890	1897	rVB3	159592	223602	4.02%	0.382%
53	13.298	1903	1906	1908	rVB	67371	57560	1.03%	0.098%
54	13.327	1908	1911	1915	rBV	89557	86676	1.56%	0.148%
55	13.398	1920	1923	1929	rVB4	106308	136204	2.45%	0.232%
56	13.604	1956	1958	1963	rVB	77611	86524	1.55%	0.148%
57	13.716	1973	1977	1980	rBV2	115300	150470	2.70%	0.257%
58	13.745	1980	1982	1984	rVV	126974	116208	2.09%	0.198%
59	13.768	1984	1986	1991	rVV2	107858	154682	2.78%	0.264%
60	13.815	1991	1994	2001	rVB2	408754	519392	9.33%	0.886%
61	13.968	2012	2020	2022	rBV2	2077653	2508796	45.08%	4.281%
62	13.992	2022	2024	2032	rVB	678818	644923	11.59%	1.100%
63	14.074	2035	2038	2040	rVB	121896	101247	1.82%	0.173%
64	14.351	2083	2085	2089	rVB	120634	112421	2.02%	0.192%
65	14.386	2089	2091	2094	rBV	78160	62907	1.13%	0.107%
66	14.415	2094	2096	2099	rBV	241106	260128	4.67%	0.444%
67	14.439	2099	2100	2104	rVB2	114556	128058	2.30%	0.219%
68	14.598	2125	2127	2132	rVB2	76723	71526	1.29%	0.122%
69	14.745	2149	2152	2155	rVB	118313	113598	2.04%	0.194%
70	14.998	2191	2195	2204	rBV	709519	1362006	24.47%	2.324%
71	15.074	2205	2208	2210	rVV	170131	178093	3.20%	0.304%

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72	15.104	2210	2213	2217	rVB	138913	148969	2.68%	0.254%
73	15.292	2241	2245	2251	rVB	430886	586588	10.54%	1.001%
74	15.357	2251	2256	2261	rBV	597134	785663	14.12%	1.341%
75	15.415	2262	2266	2270	rVV	1426915	1950456	35.05%	3.328%
76	15.445	2270	2271	2278	rVB2	350923	345703	6.21%	0.590%
77	16.851	2505	2510	2519	rVB2	313153	619404	11.13%	1.057%
78	17.280	2578	2583	2593	rVB2	250400	539546	9.70%	0.921%

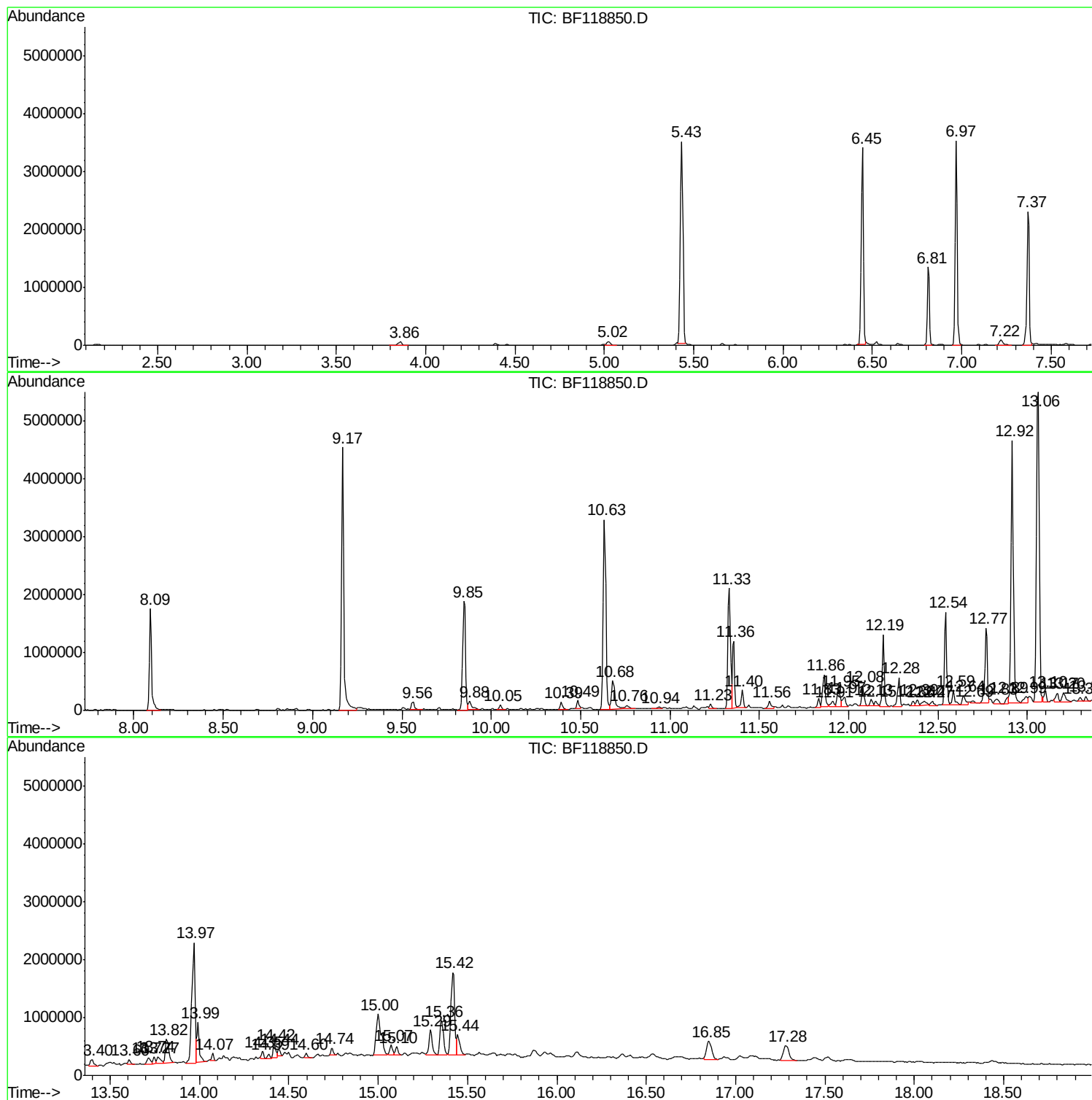
Sum of corrected areas: 58603135

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
HAM-SB-BC-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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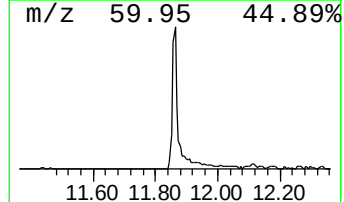
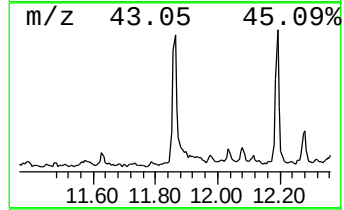
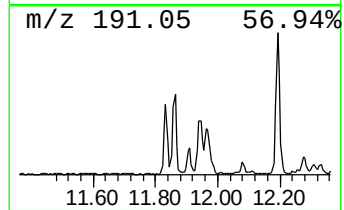
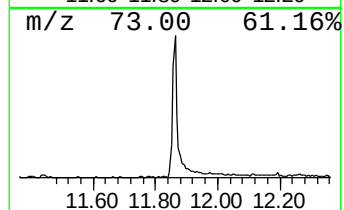
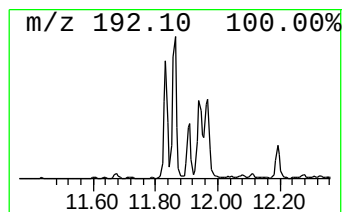
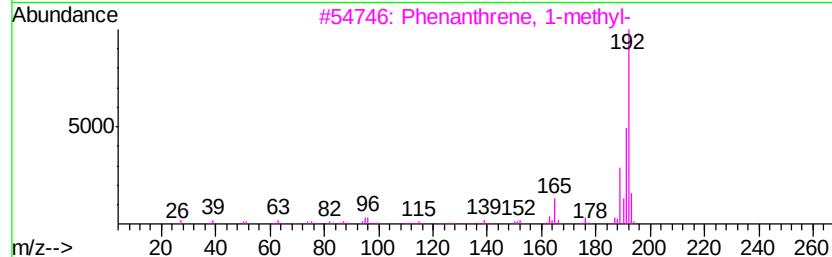
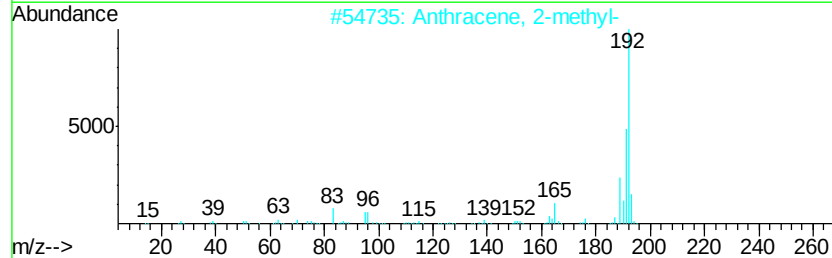
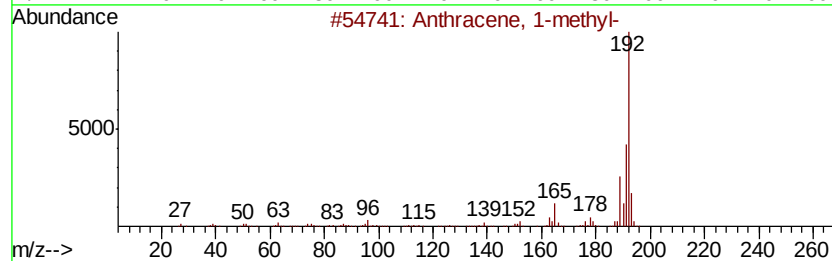
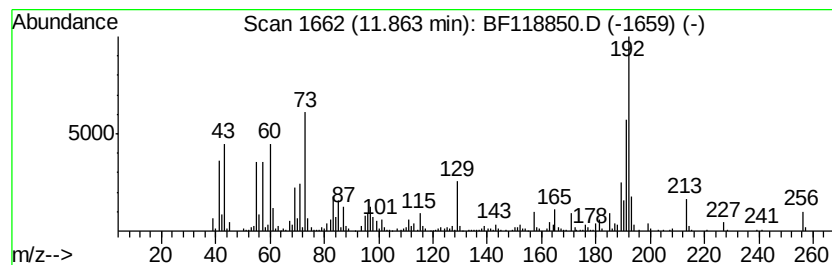
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	5.56 ng	559140	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



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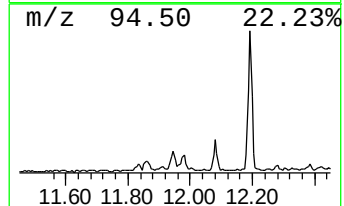
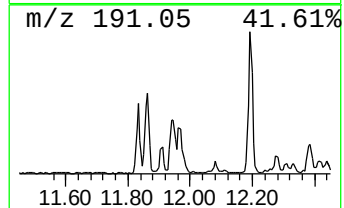
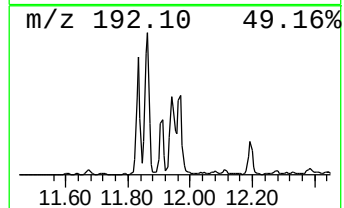
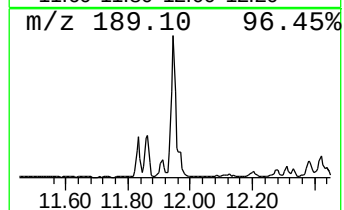
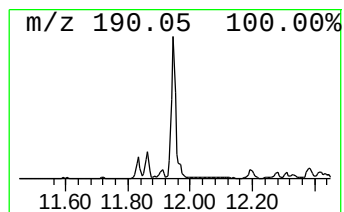
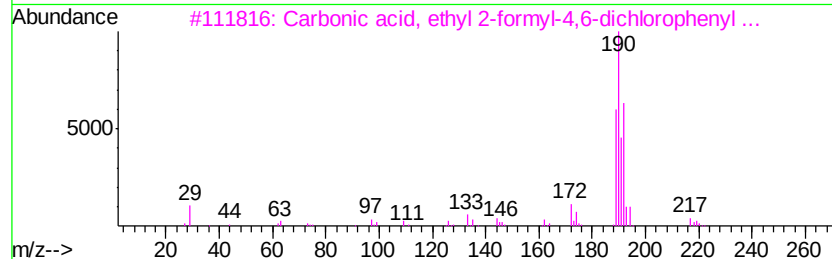
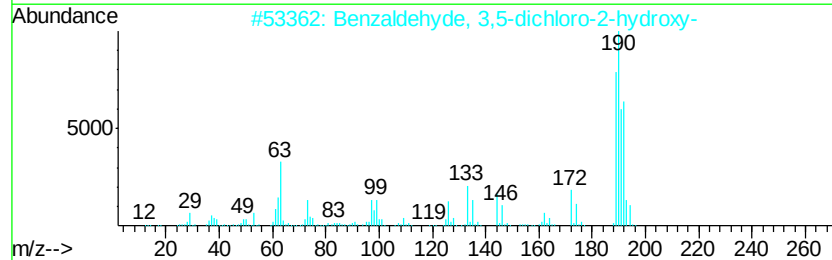
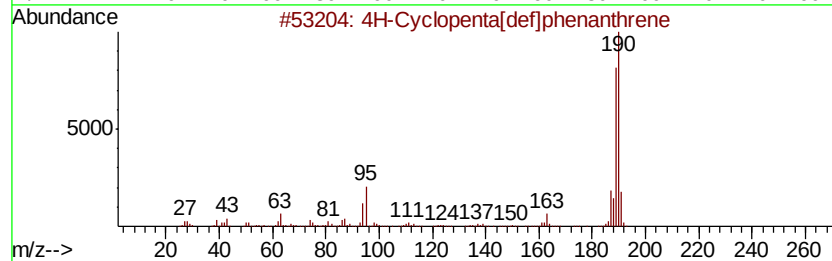
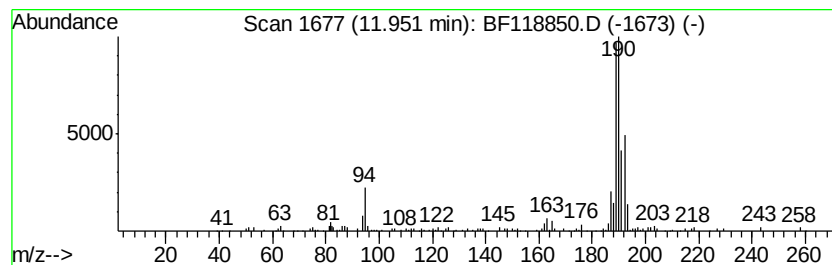
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	3.15 ng	316810	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	35
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	28



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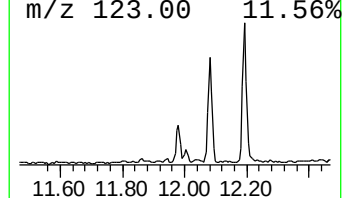
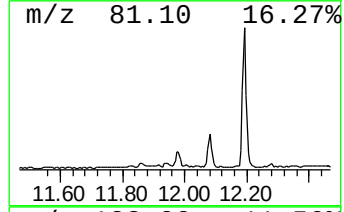
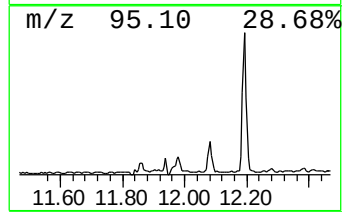
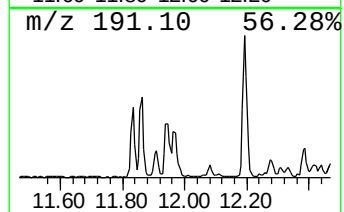
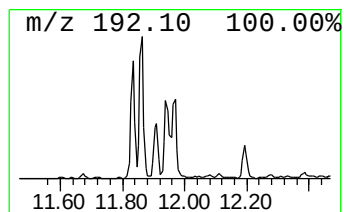
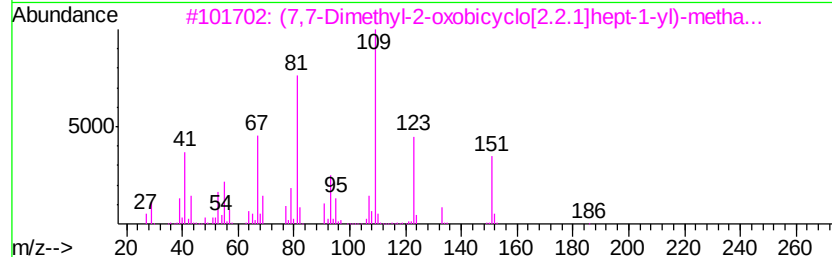
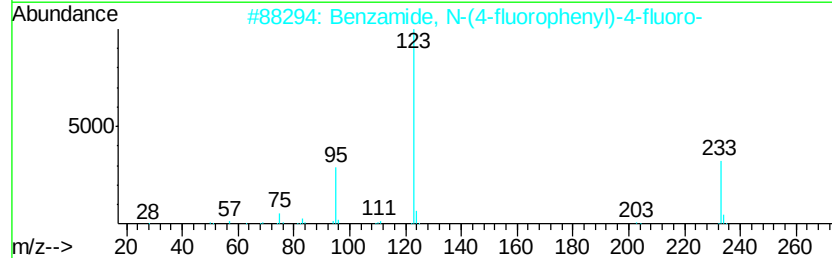
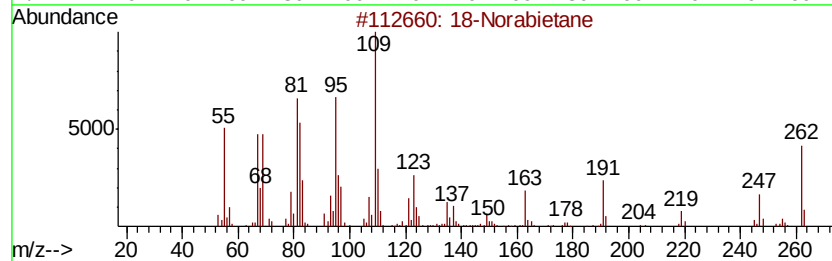
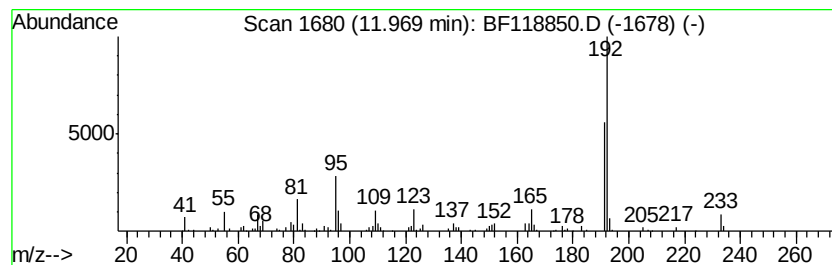
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown11.97 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	2.15 ng	216445	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	49
2	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	38
3	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	27
4	photocitral A	152	C10H16O	055253-28-6	27
5	2-Cyclohexen-1-one, 5-bromo-4,4-...	202	C8H11BrO	1000327-26-6	22



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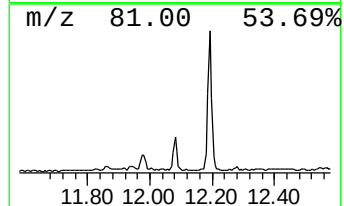
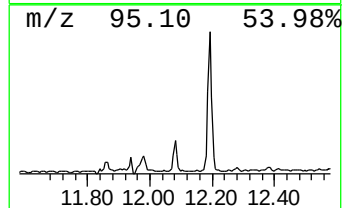
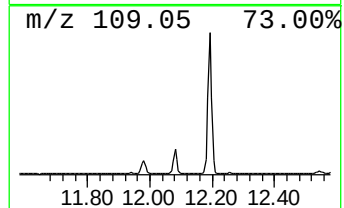
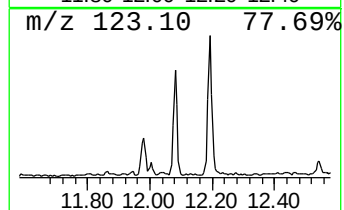
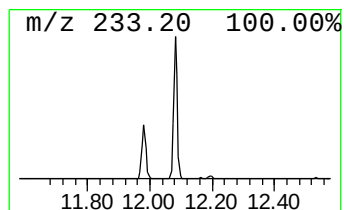
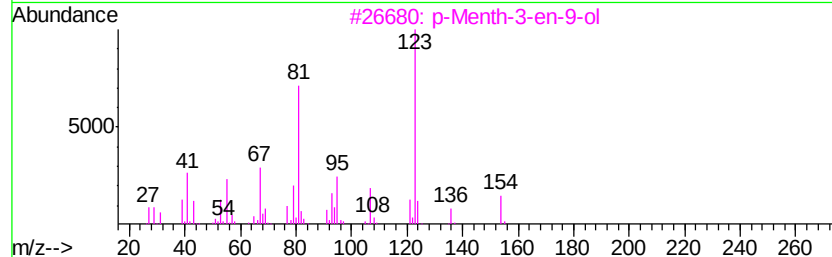
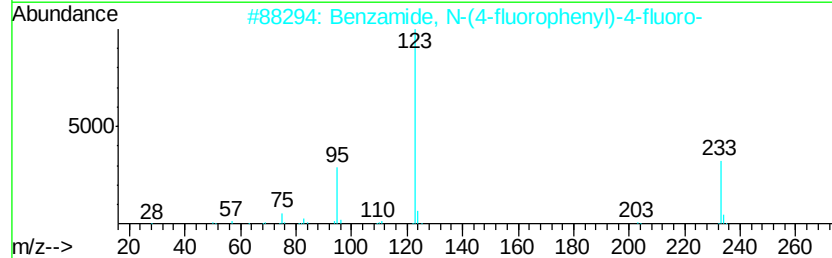
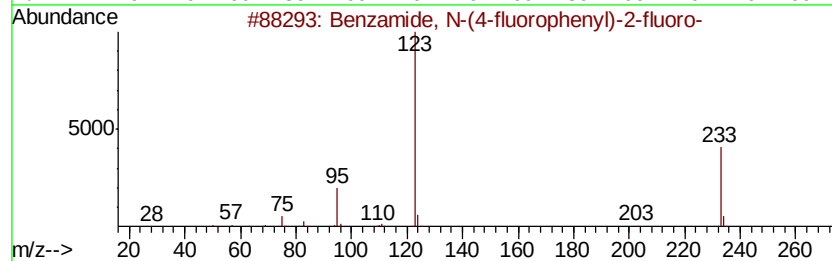
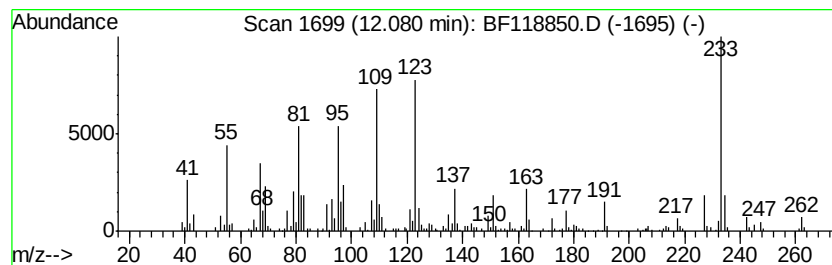
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzamide, N-(4-fluoropheny... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.08	3.05 ng	306041	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(4-fluorophenyl)-2-...	233	C13H9F2NO	1000307-07-9	50
2	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	50
3	p-Menth-3-en-9-ol	154	C10H18O	015714-10-0	25
4	3-Fluorobenzoic acid, cyclopentyl...	208	C12H13FO2	1000279-04-5	25
5	Bis(5-methyl-4-oxo-3,4-dihydropy...	233	C10H11N5O2	1000078-58-5	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118850.D
Acq On : 7 Feb 2020 15:04
Operator : CG/JU
Sample : L1439-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

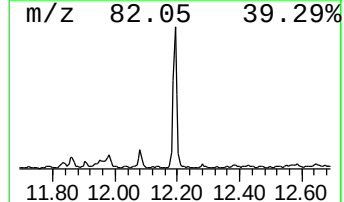
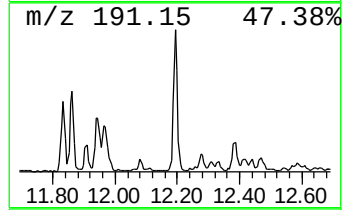
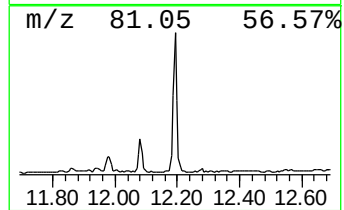
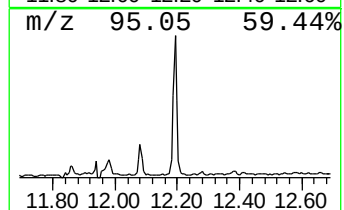
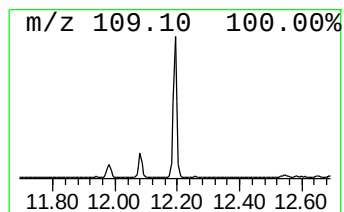
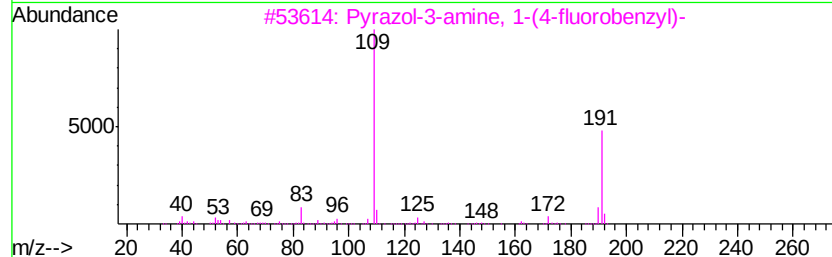
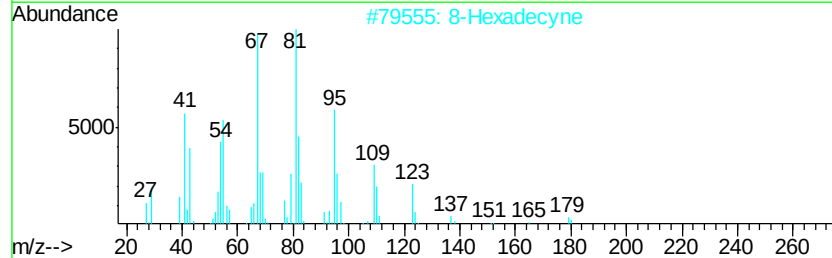
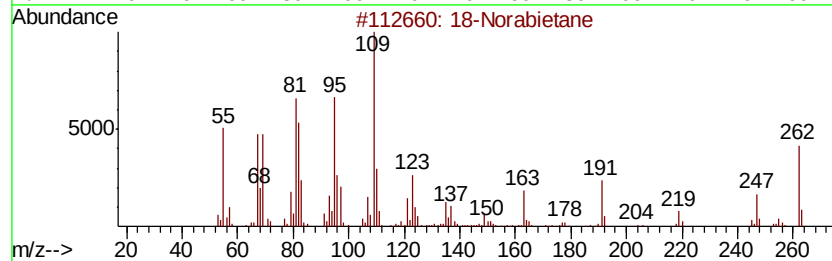
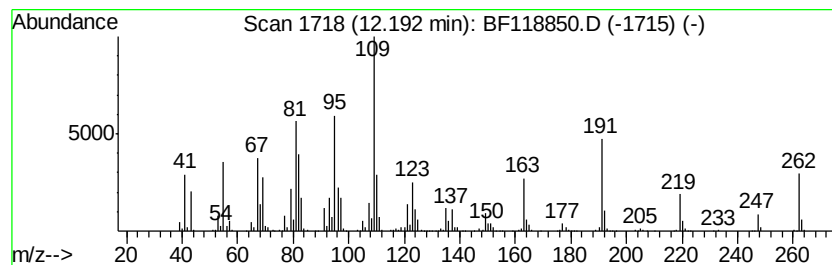
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 18-Norabietane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	10.54 ng	1059060	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	93
2		8-Hexadecyne	222	C16H30	019781-86-3	38
3		Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35
4		3,4-Pyridinediamine	109	C5H7N3	000054-96-6	27
5		(Cyclopropyl)trivinylsilane	150	C9H14Si	1000109-93-8	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118850.D
Acq On : 7 Feb 2020 15:04
Operator : CG/JU
Sample : L1439-01
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ClientSampleId :
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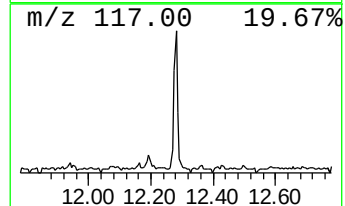
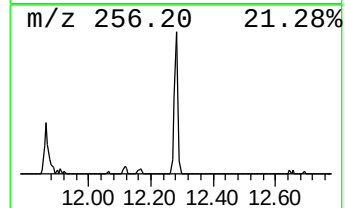
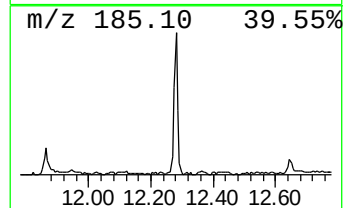
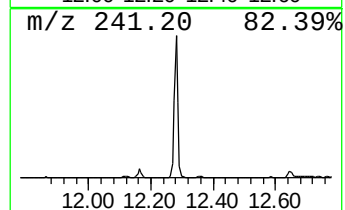
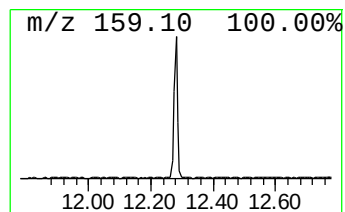
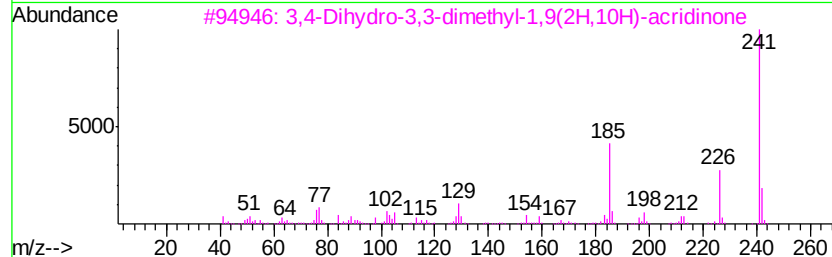
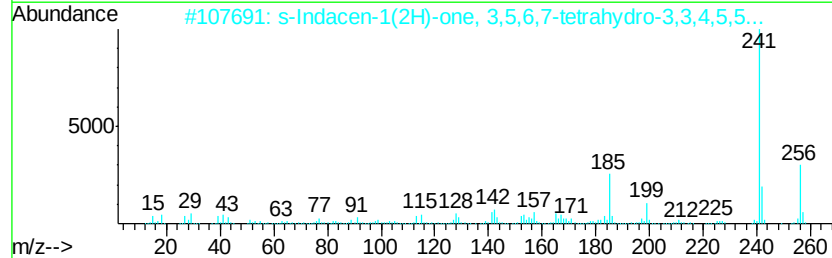
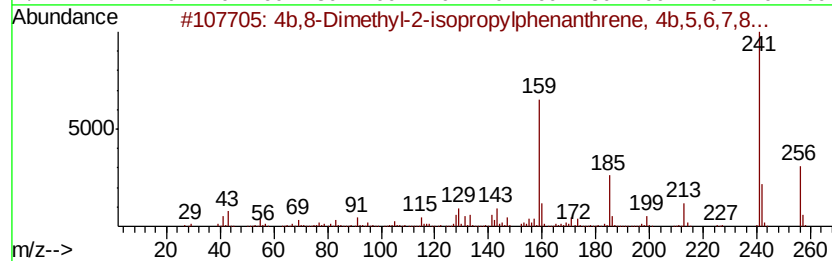
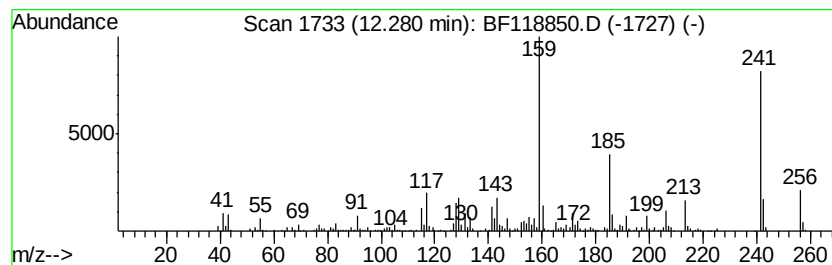
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4b,8-Dimethyl-2-isopropylph... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	4.27 ng	429116	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2		s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	49
3		3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15N02	1000212-95-2	38
4		Isoquinoline-4-carbonitrile, 1-e...	256	C15H16N2O2	1000259-91-1	30
5		Bisphenol C	256	C17H20O2	000079-97-0	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118850.D
Acq On : 7 Feb 2020 15:04
Operator : CG/JU
Sample : L1439-01
Misc :
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ClientSampleId :
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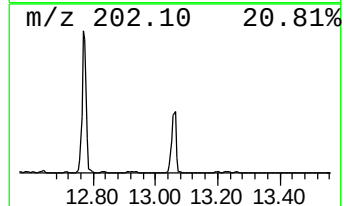
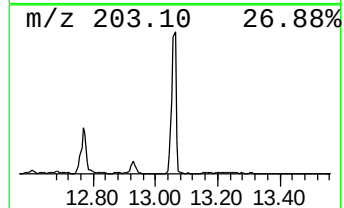
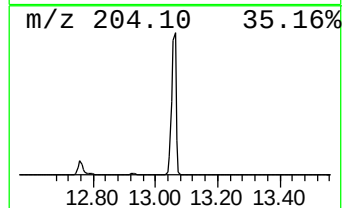
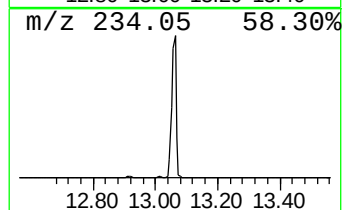
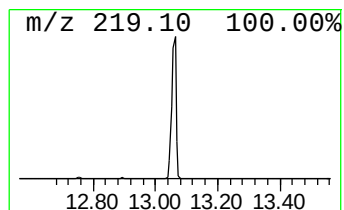
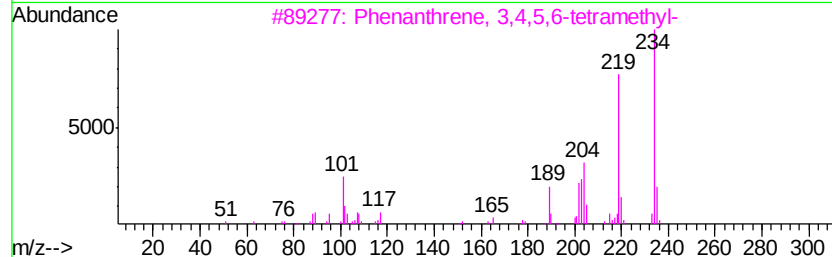
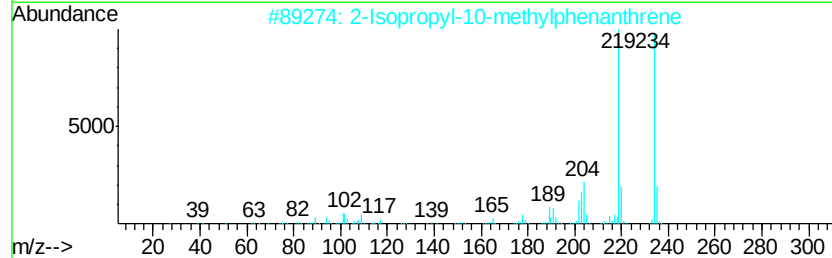
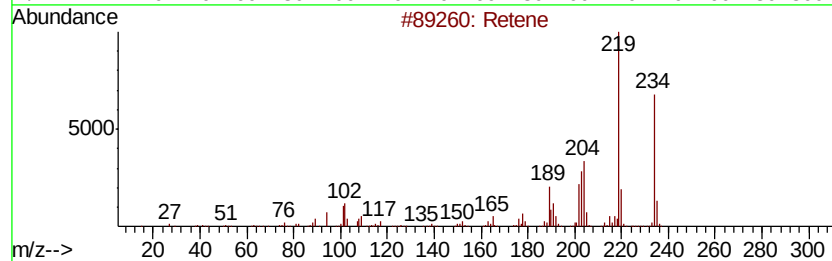
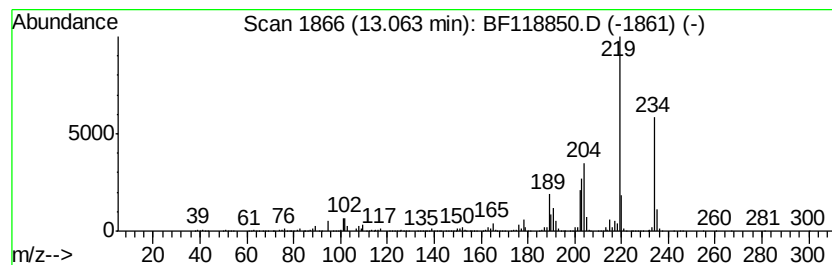
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	44.36 ng	5564980	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Retene	234	C18H18	000483-65-8	98
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3		Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	64
4		Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	52
5		1-Ethanone, 1-(4-amino-7-chloro-...	234	C12H11ClN2O	1000350-06-0	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
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Misc :
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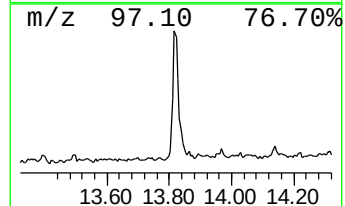
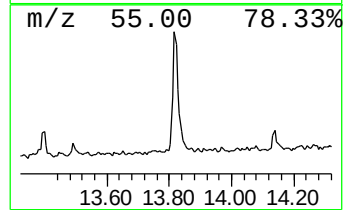
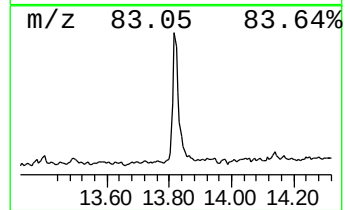
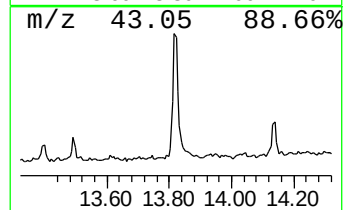
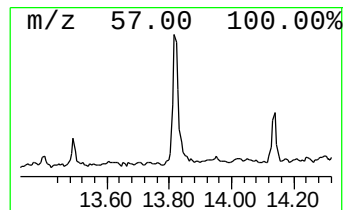
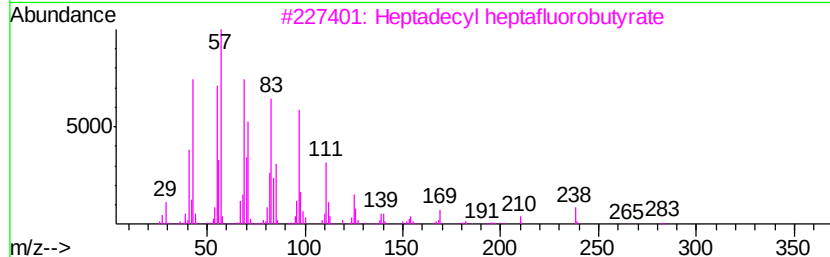
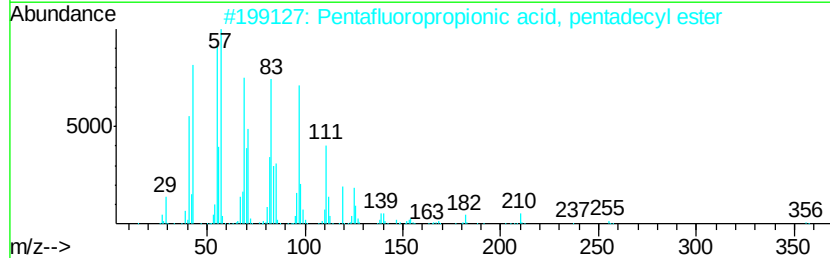
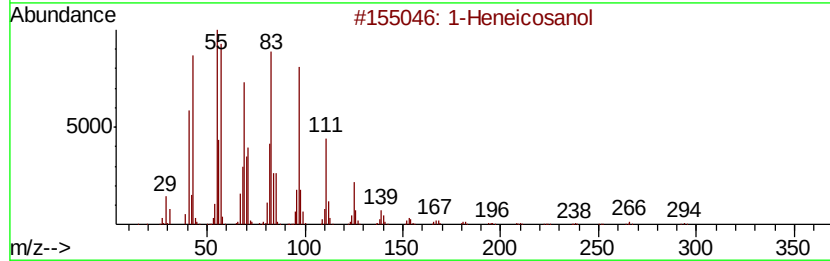
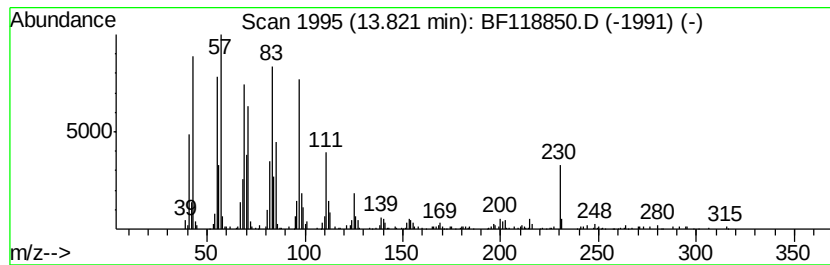
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Heneicosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.82	4.14 ng	519392	Chrysene-d12	13.97	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
3	Heptadecyl heptafluorobutyrte	452	C21H35F7O2	959085-66-6	91
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118850.D
Acq On : 7 Feb 2020 15:04
Operator : CG/JU
Sample : L1439-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

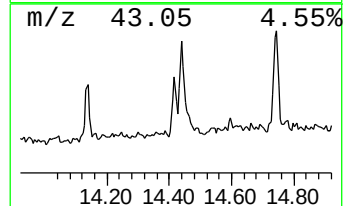
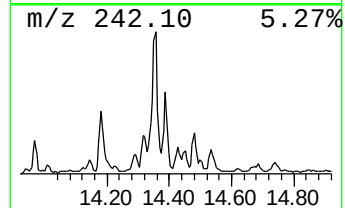
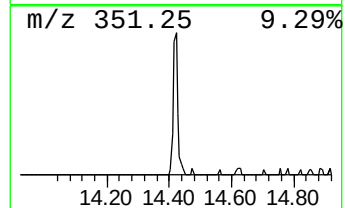
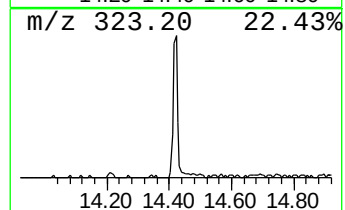
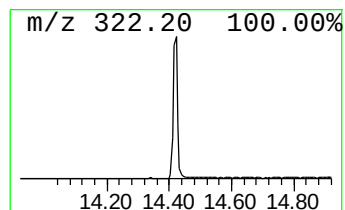
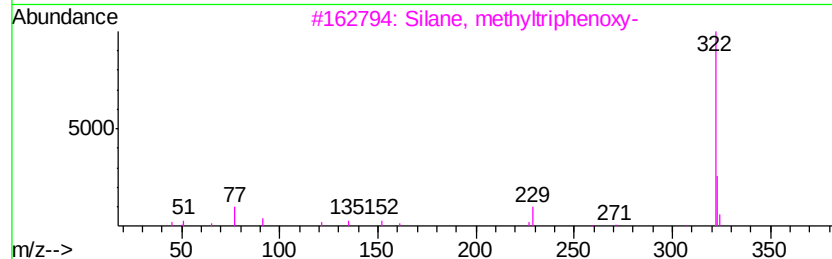
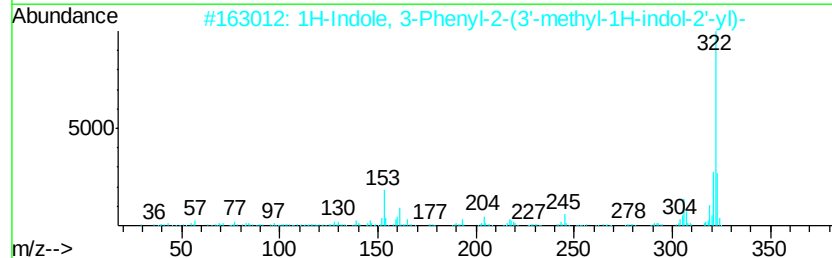
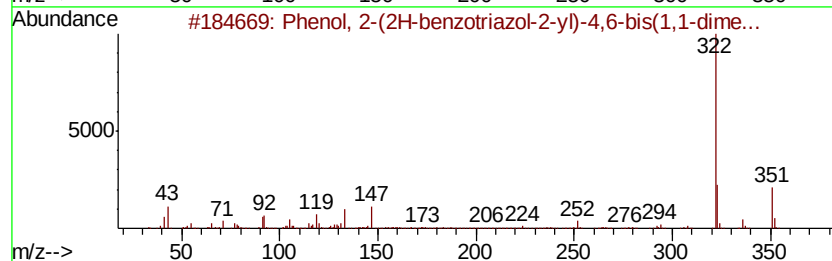
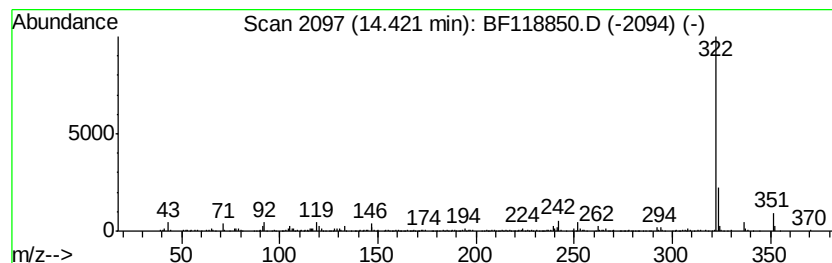
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenol, 2-(2H-benzotriazol-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.07 ng	260128	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 2-(2H-benzotriazol-2-yl)...	351	C22H29N3O	025973-55-1	86
2		1H-Indole, 3-Phenyl-2-(3'-methyl...	322	C23H18N2	164936-86-1	39
3		Silane, methyltriphenoxv-	322	C19H18O3Si	003439-97-2	38
4		Pyrazole-4-carboxylic acid, 3-(1...	322	C20H22N2O2	1000272-86-5	38
5		p-Bis(m-methoxyphenoxy)benzene	322	C20H18O4	005024-84-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
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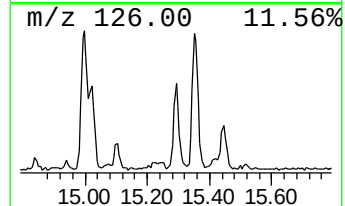
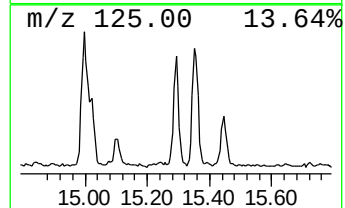
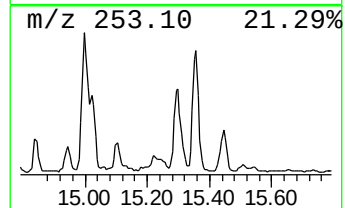
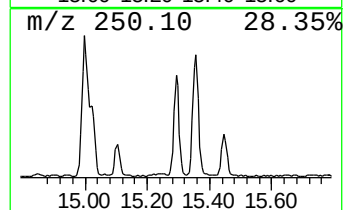
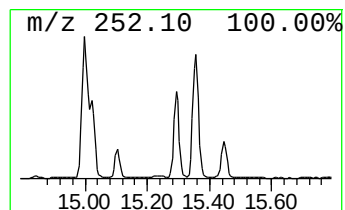
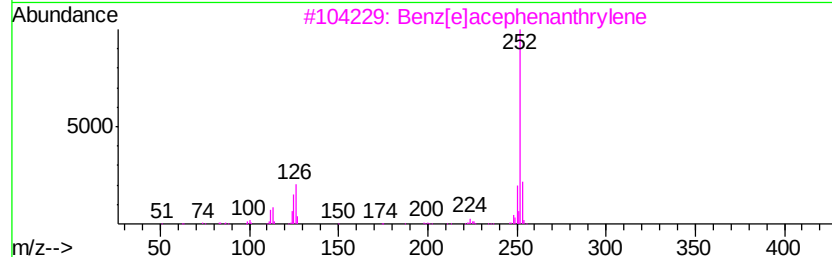
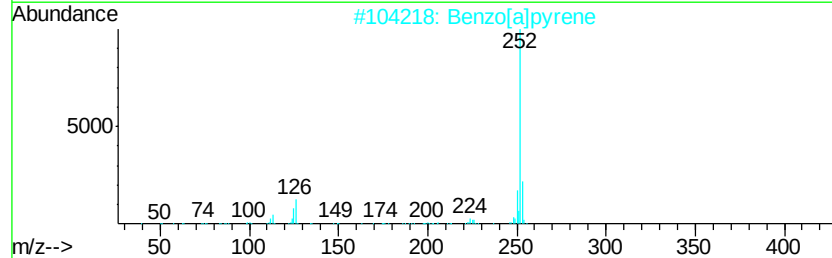
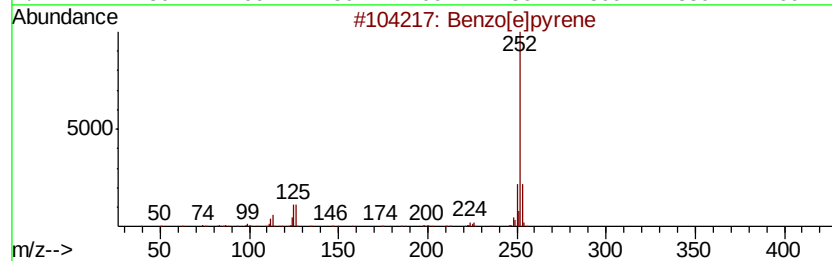
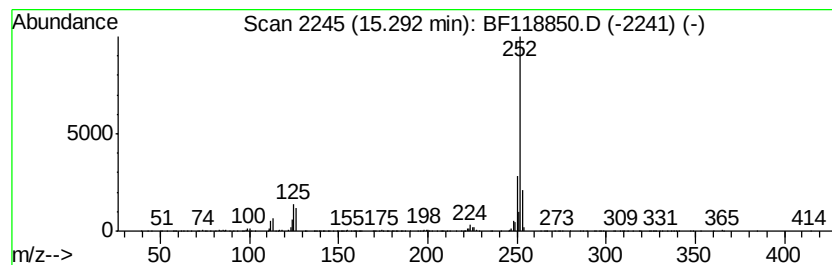
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	6.01 ng	586588	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 99
2		Benzo[a]pyrene	252 C20H12	000050-32-8 97
3		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 96
4		Benzo[i]fluoranthene	252 C20H12	000205-82-3 95
5		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020720\
 Data File : BF118850.D
 Acq On : 7 Feb 2020 15:04
 Operator : CG/JU
 Sample : L1439-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 HAM-SB-BC-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Anthracene, 1-met...	11.86	5.6	ng	559140	4	11.33	2009940	20.0
4H-Cyclopenta[def...	11.95	3.1	ng	316810	4	11.33	2009940	20.0
unknown11.97	11.97	2.1	ng	216445	4	11.33	2009940	20.0
Benzamide, N-(4-f...	12.08	3.0	ng	306041	4	11.33	2009940	20.0
18-Norabietane	12.19	10.5	ng	1059060	4	11.33	2009940	20.0
4b,8-Dimethyl-2-i...	12.28	4.3	ng	429116	4	11.33	2009940	20.0
Retene	13.06	44.4	ng	5564980	5	13.97	2508800	20.0
1-Heneicosanol	13.82	4.1	ng	519392	5	13.97	2508800	20.0
Phenol, 2-(2H-ben...	14.42	2.1	ng	260128	5	13.97	2508800	20.0
Benzo[e]pyrene	15.29	6.0	ng	586588	6	15.42	1950460	20.0