

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113734.D
 Acq On : 11 Apr 2019 21:54
 Operator : JU/SJ
 Sample : K2358-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

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-BF040319.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	5.287	540	544	572	rBV	1668264	2232915	52.88%	3.256%
2	6.328	717	721	737	rBV	1860843	2356670	55.81%	3.437%
3	6.446	737	741	751	rVB	2443132	2355692	55.79%	3.435%
4	6.669	776	779	790	rBV	668683	636472	15.07%	0.928%
5	6.828	802	806	823	rBV	1930746	1769555	41.91%	2.580%
6	7.240	872	876	899	rBV	1341785	1486770	35.21%	2.168%
7	7.951	994	997	1016	rBV	732748	920788	21.81%	1.343%
8	9.028	1176	1180	1193	rBV	2473835	2196997	52.03%	3.204%
9	9.428	1244	1248	1256	rVB	291719	289093	6.85%	0.422%
10	9.569	1269	1272	1276	rBV	53100	50931	1.21%	0.074%
11	9.704	1291	1295	1298	rBV	992043	903725	21.40%	1.318%
12	9.734	1298	1300	1307	rVB	53901	58050	1.37%	0.085%
13	10.251	1385	1388	1394	rVB	48100	56089	1.33%	0.082%
14	10.492	1425	1429	1441	rBV	1597119	1701401	40.30%	2.481%
15	10.610	1446	1449	1457	rVB3	96722	121660	2.88%	0.177%
16	11.004	1512	1516	1519	rBV	46973	52937	1.25%	0.077%
17	11.039	1519	1522	1524	rVV3	57703	73547	1.74%	0.107%
18	11.086	1527	1530	1534	rVB	69014	78143	1.85%	0.114%
19	11.186	1543	1547	1549	rBV	1012034	997758	23.63%	1.455%
20	11.210	1549	1551	1555	rVV	1003928	855514	20.26%	1.248%
21	11.263	1557	1560	1564	rVB	228782	220898	5.23%	0.322%
22	11.428	1585	1588	1594	rBV2	103099	143484	3.40%	0.209%
23	11.480	1594	1597	1599	rVB	72819	60663	1.44%	0.088%
24	11.686	1628	1632	1634	rBV	279581	245716	5.82%	0.358%
25	11.716	1634	1637	1642	rVV	362989	457883	10.84%	0.668%
26	11.763	1642	1645	1648	rVV	215663	244551	5.79%	0.357%
27	11.792	1648	1650	1653	rVV	414715	476055	11.27%	0.694%
28	11.822	1653	1655	1660	rVB	236079	203115	4.81%	0.296%
29	11.886	1663	1666	1670	rBV2	84101	73469	1.74%	0.107%
30	11.957	1675	1678	1679	rBV2	55698	52227	1.24%	0.076%
31	11.980	1679	1682	1684	rVB	167958	136274	3.23%	0.199%
32	12.051	1692	1694	1697	rVB	50187	43048	1.02%	0.063%
33	12.127	1702	1707	1710	rVV3	161563	211794	5.02%	0.309%
34	12.163	1710	1713	1715	rVV	140961	121984	2.89%	0.178%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.186	1715	1717	1722	rVB	97129	85732	2.03%	0.125%
36	12.233	1722	1725	1728	rBV	448096	459228	10.88%	0.670%
37	12.275	1728	1732	1734	rVV	328899	385749	9.14%	0.563%
38	12.327	1737	1741	1745	rVV2	209416	284927	6.75%	0.415%
39	12.398	1749	1753	1756	rBV	2952408	2881424	68.24%	4.202%
40	12.439	1756	1760	1762	rVV3	106212	138689	3.28%	0.202%
41	12.463	1762	1764	1767	rVB2	105676	96154	2.28%	0.140%
42	12.545	1776	1778	1782	rBV	150814	155692	3.69%	0.227%
43	12.575	1782	1783	1786	rVB	73989	58143	1.38%	0.085%
44	12.627	1786	1792	1795	rBV2	2903199	3684178	87.25%	5.372%
45	12.680	1798	1801	1805	rVB2	246162	325512	7.71%	0.475%
46	12.763	1809	1815	1818	rBV	1969688	2016378	47.75%	2.940%
47	12.839	1823	1828	1836	rBV4	405634	818073	19.37%	1.193%
48	12.898	1836	1838	1840	rBV	145555	112791	2.67%	0.164%
49	12.951	1840	1847	1851	rVB2	590194	1015985	24.06%	1.482%
50	12.998	1853	1855	1857	rBV	184017	191851	4.54%	0.280%
51	13.022	1857	1859	1861	rVB	298532	237068	5.61%	0.346%
52	13.057	1861	1865	1869	rBV2	654959	748448	17.73%	1.091%
53	13.110	1872	1874	1878	rVB2	107092	106062	2.51%	0.155%
54	13.151	1878	1881	1883	rBV	423696	348422	8.25%	0.508%
55	13.180	1883	1886	1889	rBV	424912	383873	9.09%	0.560%
56	13.251	1896	1898	1900	rBV2	84104	105803	2.51%	0.154%
57	13.339	1909	1913	1917	rBV6	224145	416045	9.85%	0.607%
58	13.374	1917	1919	1921	rVB	124516	108055	2.56%	0.158%
59	13.439	1927	1930	1932	rBV2	120489	147657	3.50%	0.215%
60	13.469	1932	1935	1938	rVB	502611	439630	10.41%	0.641%
61	13.574	1949	1953	1955	rBV2	507631	600714	14.23%	0.876%
62	13.592	1955	1956	1959	rVV	458231	355729	8.42%	0.519%
63	13.621	1959	1961	1963	rVV	365581	355807	8.43%	0.519%
64	13.680	1967	1971	1976	rVB2	439612	561607	13.30%	0.819%
65	13.739	1979	1981	1984	rBV	106553	105755	2.50%	0.154%
66	13.821	1990	1995	1998	rBV2	2751191	4222359	100.00%	6.157%
67	13.857	1998	2001	2004	rVB	2659110	2466165	58.41%	3.596%
68	13.927	2011	2013	2017	rVB	343874	291615	6.91%	0.425%
69	13.986	2020	2023	2028	rBV6	232682	350060	8.29%	0.510%
70	14.174	2052	2055	2057	rBV	204347	221412	5.24%	0.323%
71	14.210	2057	2061	2064	rVV	858422	930032	22.03%	1.356%

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Integration Parameters: rteint.p
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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

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72	14.245	2064	2067	2070	rVB	456851	386124	9.14%	0.563%
73	14.286	2071	2074	2076	rBV3	393523	387717	9.18%	0.565%
74	14.339	2080	2083	2084	rBV	296541	301372	7.14%	0.439%
75	14.404	2092	2094	2097	rVB2	224337	194675	4.61%	0.284%
76	14.533	2113	2116	2122	rBV4	215386	353290	8.37%	0.515%
77	14.586	2122	2125	2128	rBV2	179675	191566	4.54%	0.279%
78	14.692	2140	2143	2147	rBV	377039	419291	9.93%	0.611%
79	14.851	2164	2170	2172	rBV	2514652	4175789	98.90%	6.089%
80	14.939	2182	2185	2189	rVB	580406	582212	13.79%	0.849%
81	15.033	2196	2201	2204	rBV2	185840	375208	8.89%	0.547%
82	15.127	2212	2217	2221	rVB	1680281	2066851	48.95%	3.014%
83	15.186	2222	2227	2232	rVB	2268153	2916084	69.06%	4.252%
84	15.239	2232	2236	2238	rBV	695468	855851	20.27%	1.248%
85	15.268	2238	2241	2247	rVB2	711625	943289	22.34%	1.376%
86	15.398	2260	2263	2266	rBV2	115944	151740	3.59%	0.221%
87	15.627	2299	2302	2309	rBV3	117352	249863	5.92%	0.364%
88	15.680	2309	2311	2314	rVV	84285	80703	1.91%	0.118%
89	15.757	2321	2324	2327	rBV	118195	126719	3.00%	0.185%
90	16.404	2430	2434	2438	rBV2	162089	263447	6.24%	0.384%
91	16.604	2461	2468	2473	rVB	1161549	2099895	49.73%	3.062%
92	16.745	2487	2492	2497	rBV	265817	505920	11.98%	0.738%
93	16.804	2498	2502	2510	rVB2	206278	403280	9.55%	0.588%
94	17.015	2531	2538	2545	rVB	805755	1635051	38.72%	2.384%
95	17.233	2570	2575	2587	rVB	231469	572948	13.57%	0.836%
96	18.927	2857	2863	2870	rVB8	93924	237680	5.63%	0.347%

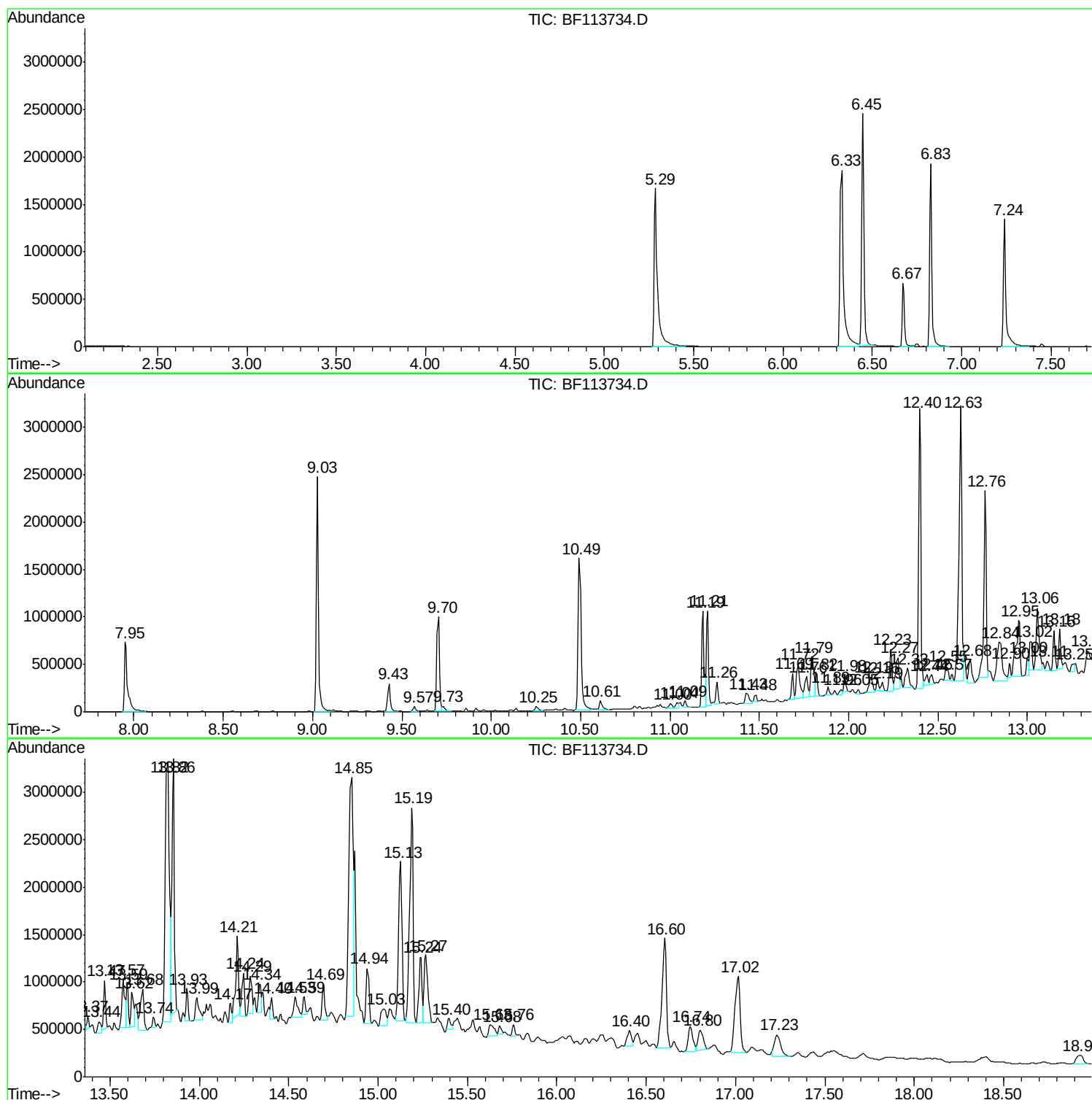
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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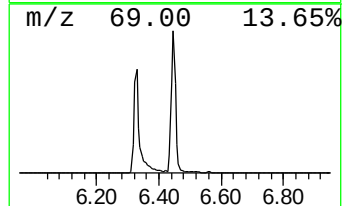
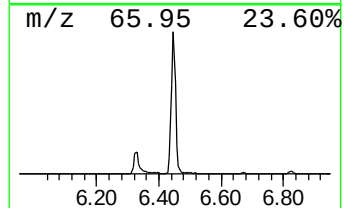
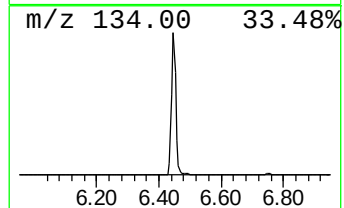
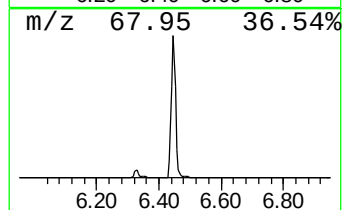
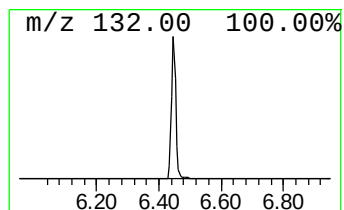
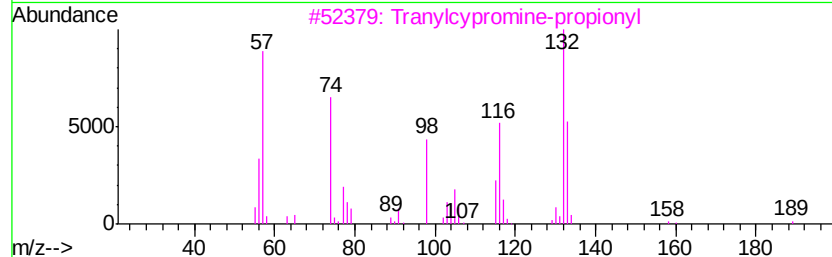
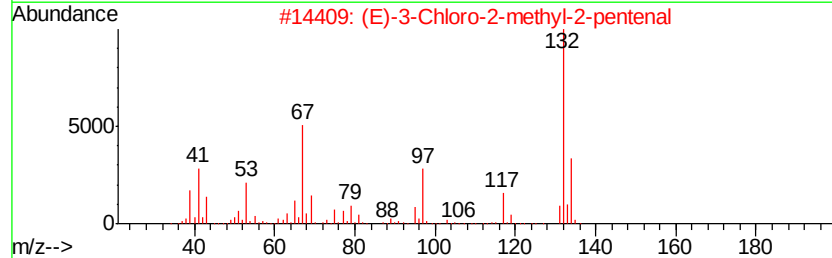
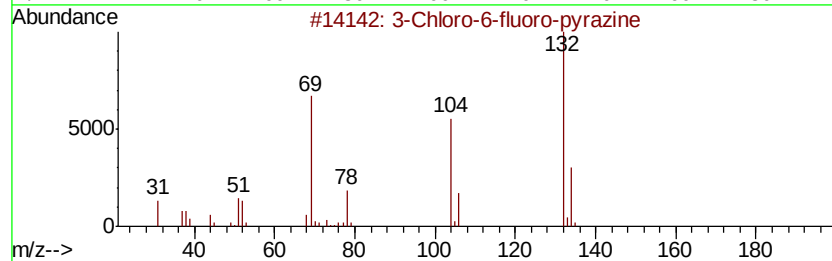
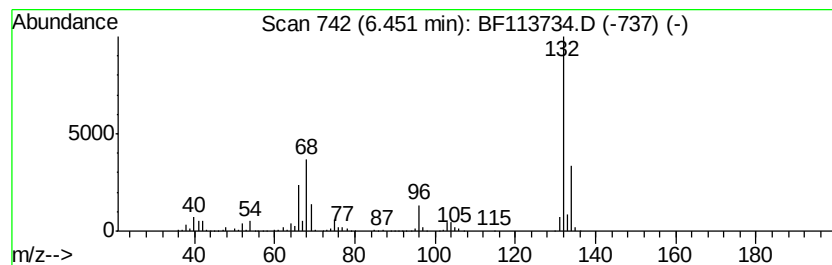
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	74.02 ng	2355690	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Amphetaminil	250	C17H18N2	017590-01-1	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	12



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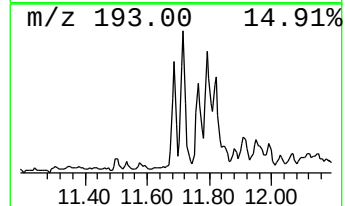
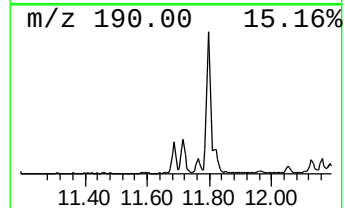
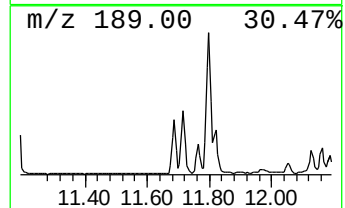
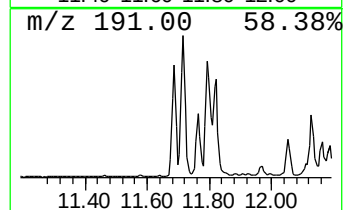
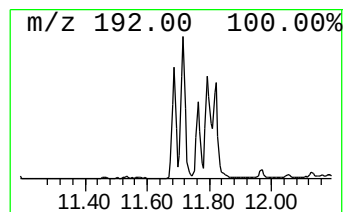
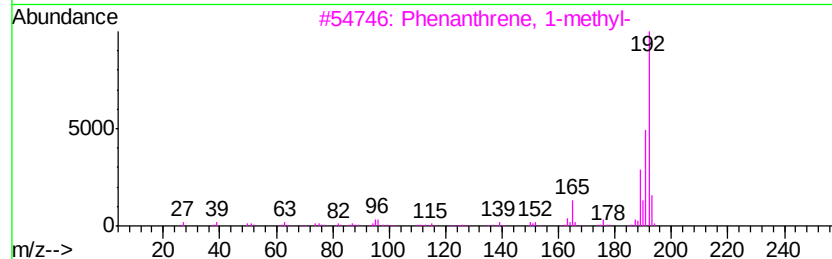
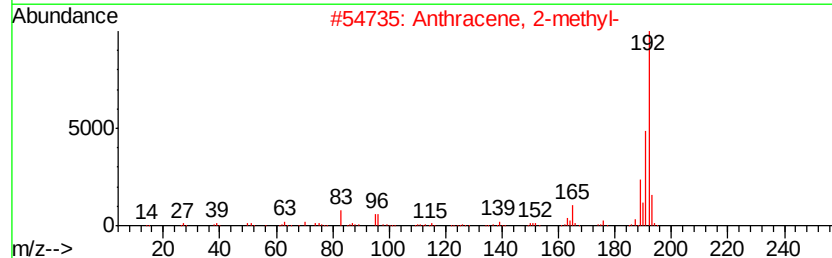
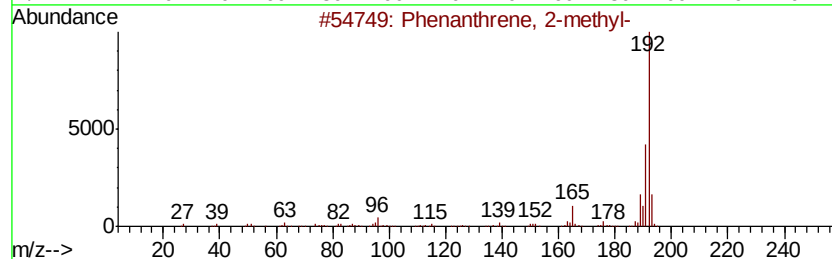
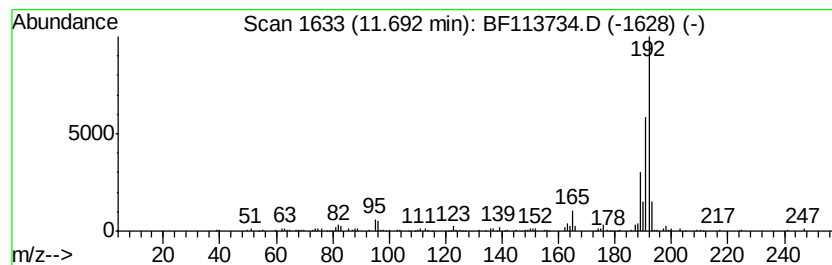
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	4.93 ng	245716	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



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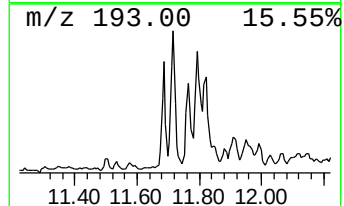
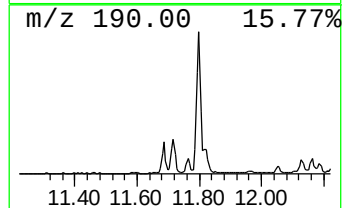
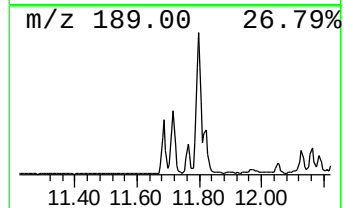
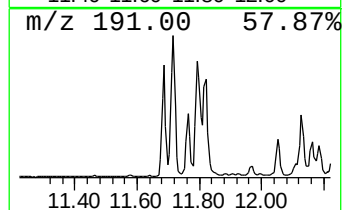
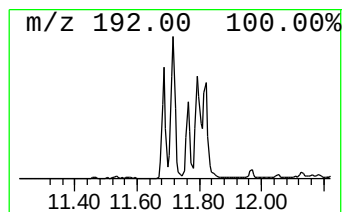
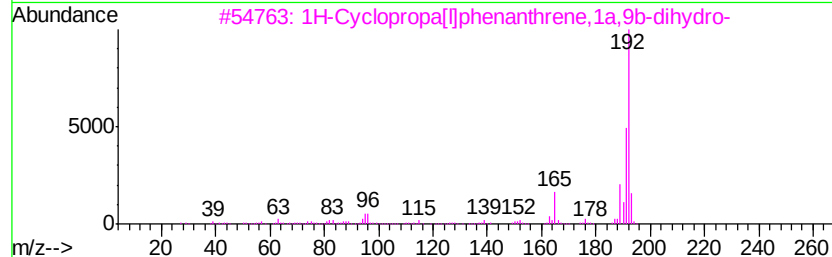
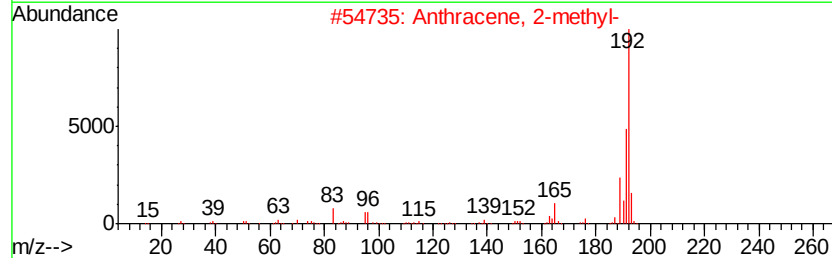
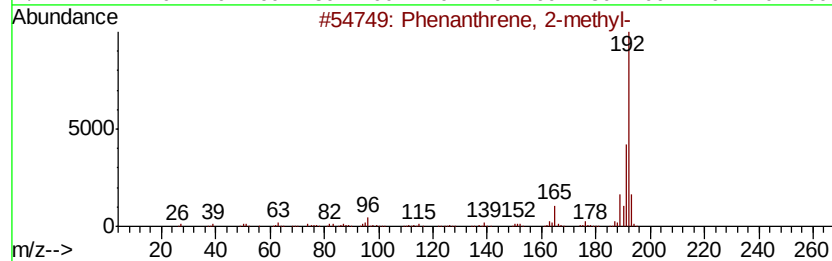
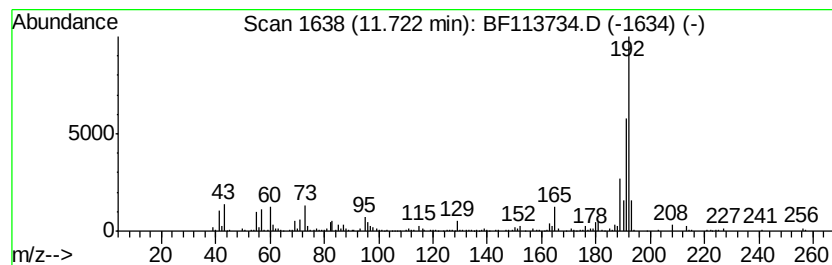
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.72	9.18 ng	457883	Phenanthrene-d10	11.19	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
Acq On : 11 Apr 2019 21:54
Operator : JU/SJ
Sample : K2358-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-S

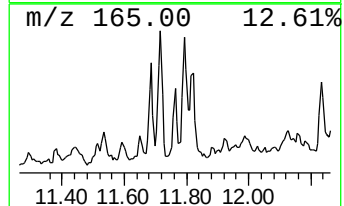
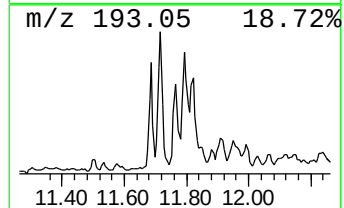
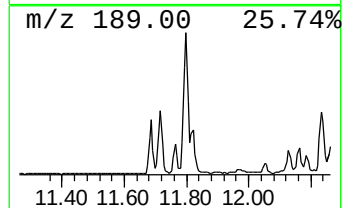
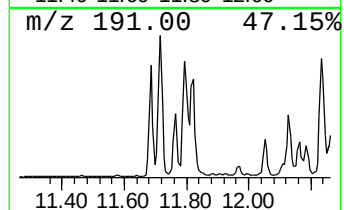
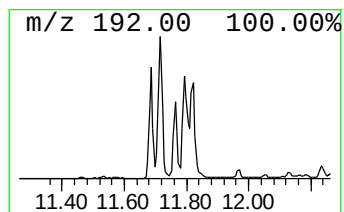
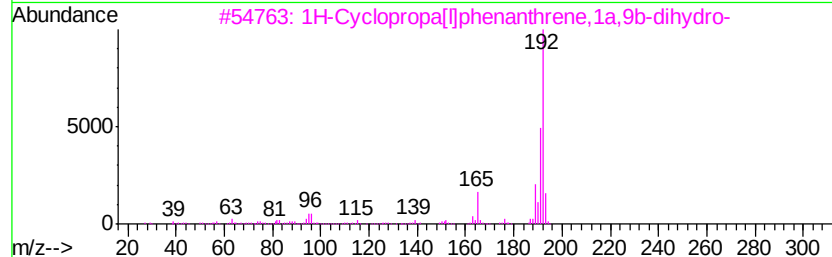
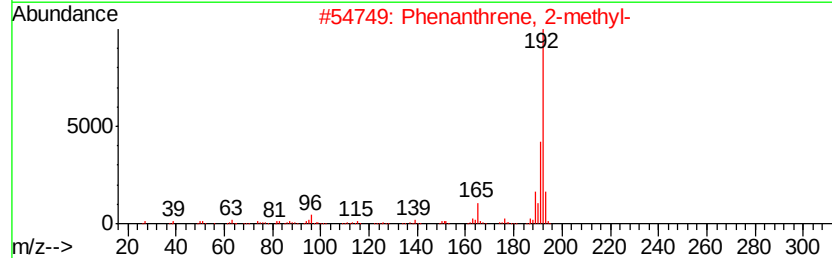
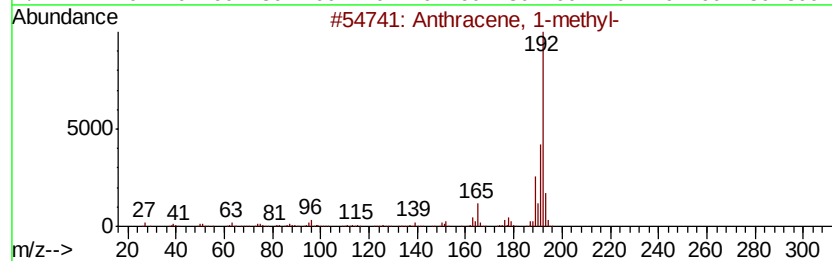
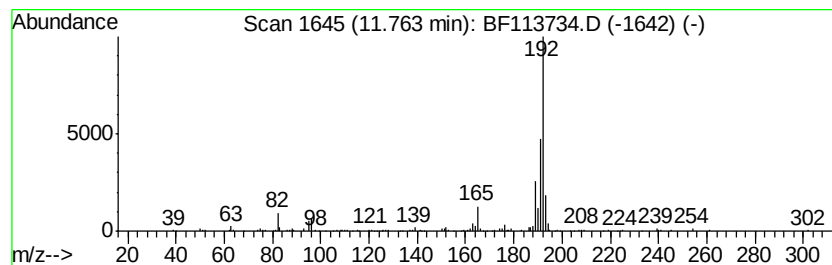
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	4.90 ng	244551	Phenanthrene-d10	11.19

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		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
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ClientSampleId :
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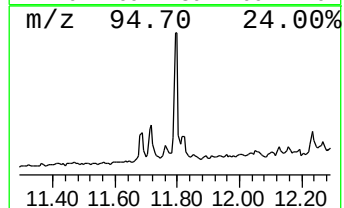
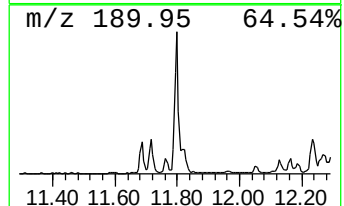
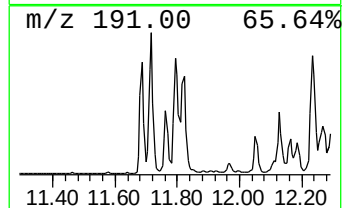
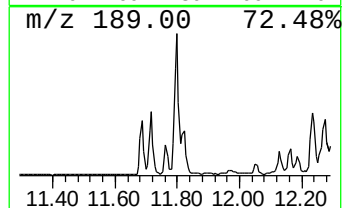
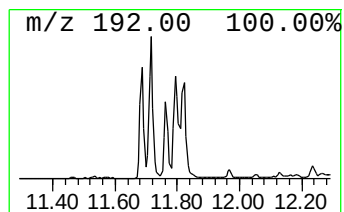
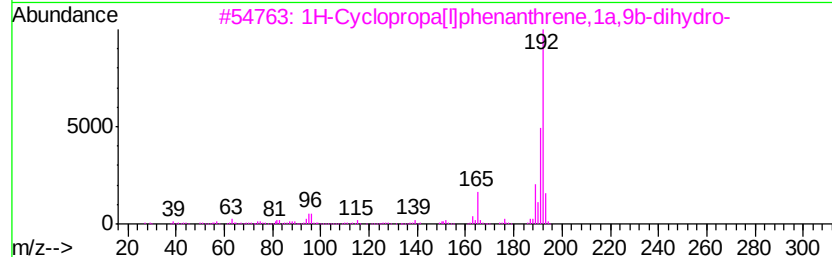
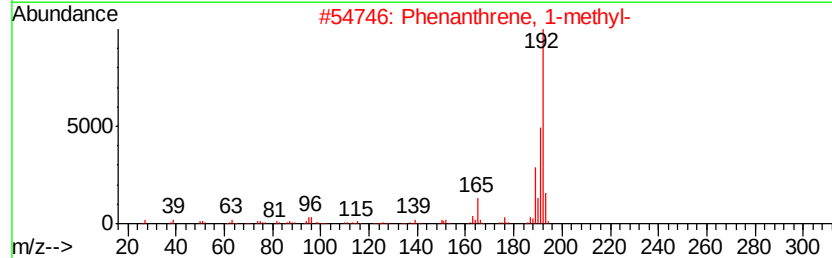
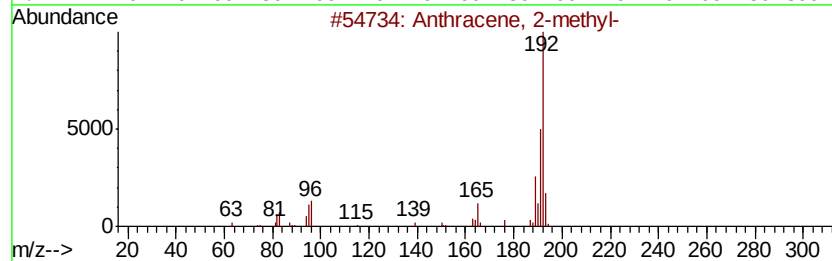
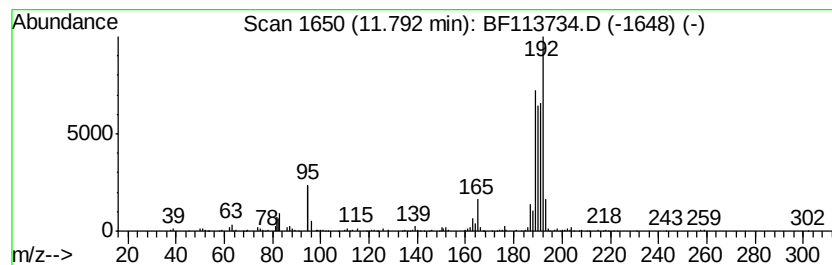
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	9.54 ng	476055	Phenanthrene-d10	11.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
3			1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	55
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
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Sample : K2358-11
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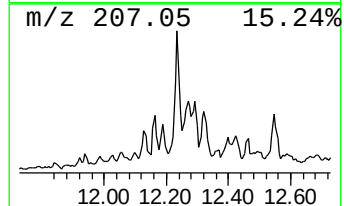
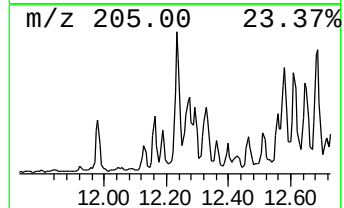
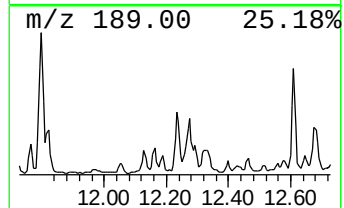
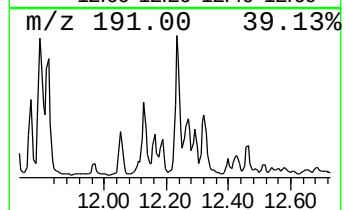
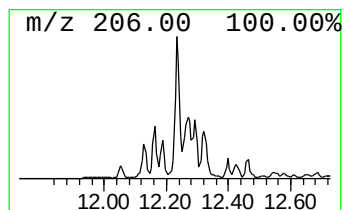
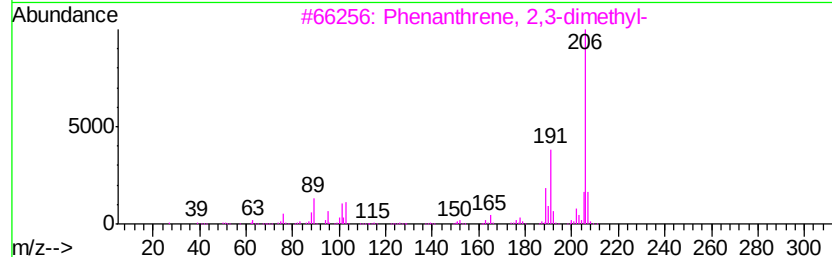
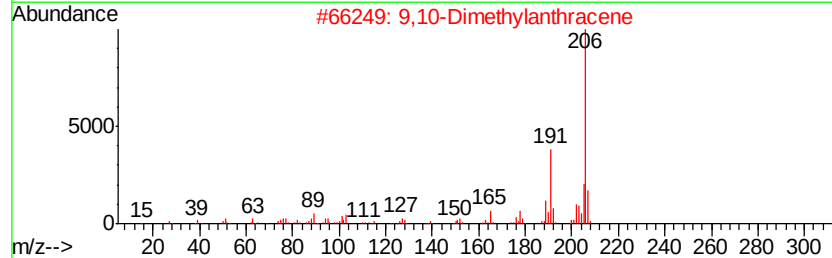
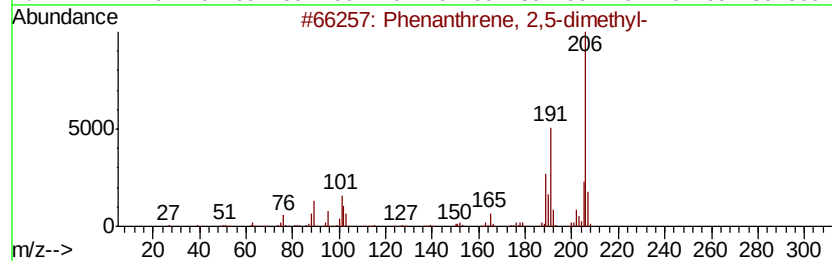
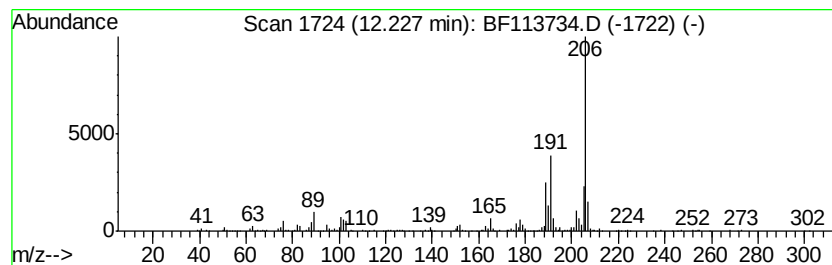
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.23	9.21 ng	459228	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
Acq On : 11 Apr 2019 21:54
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Sample : K2358-11
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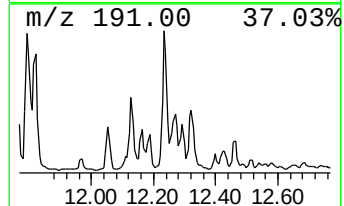
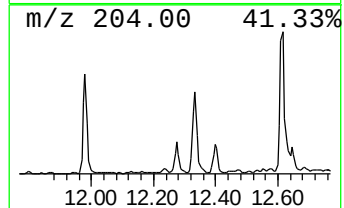
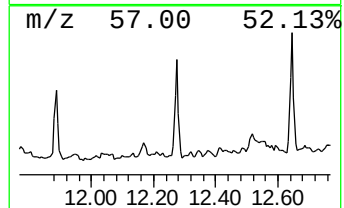
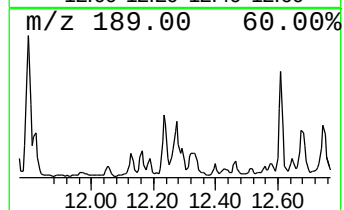
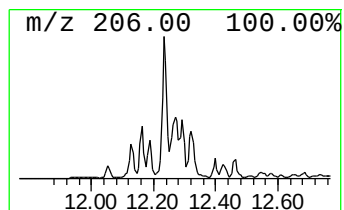
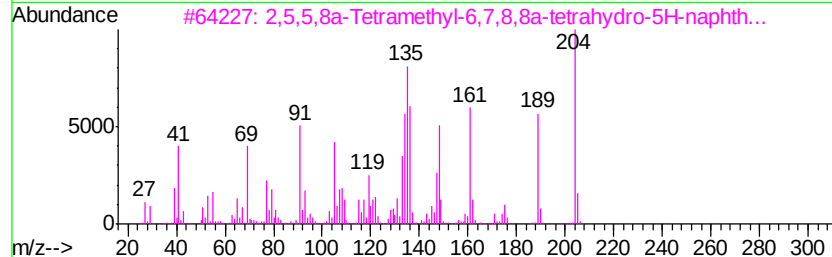
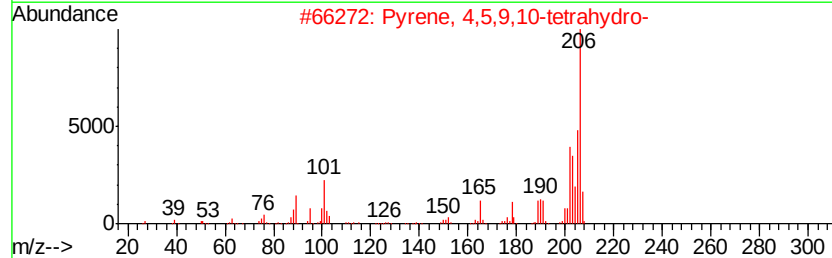
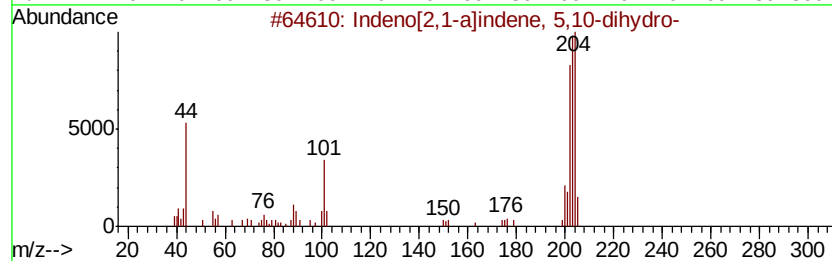
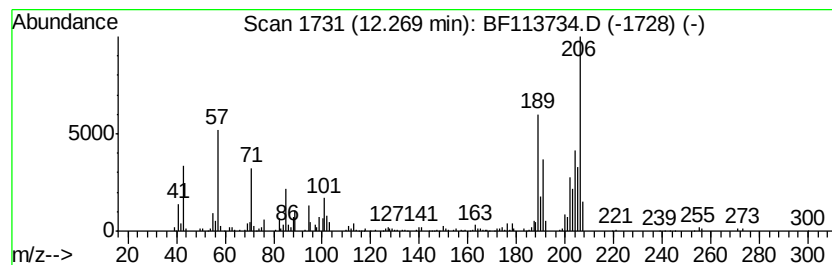
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown12.27 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	7.73 ng	385749	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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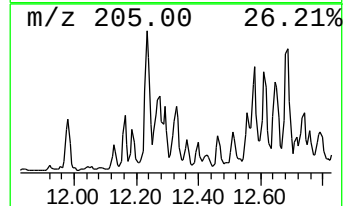
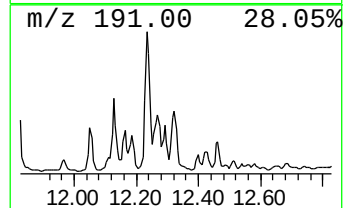
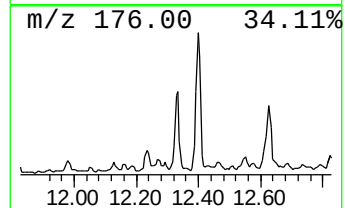
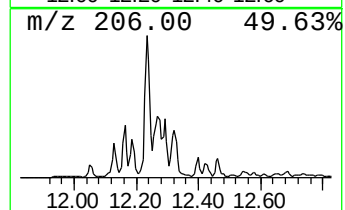
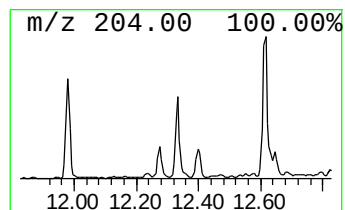
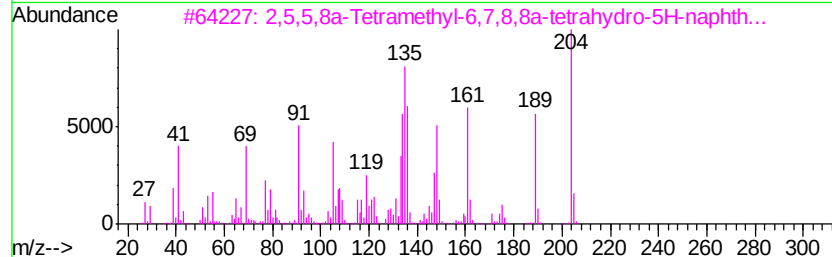
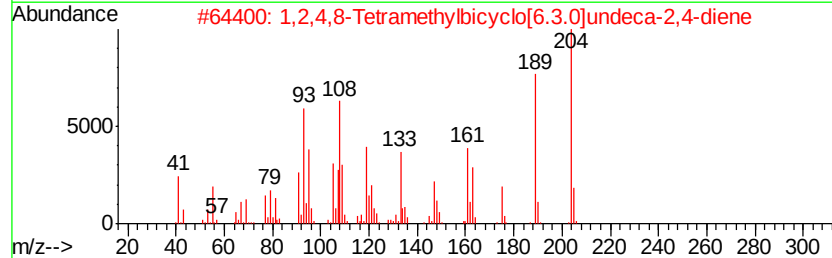
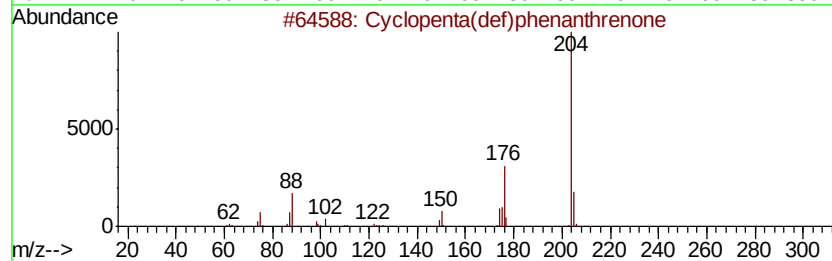
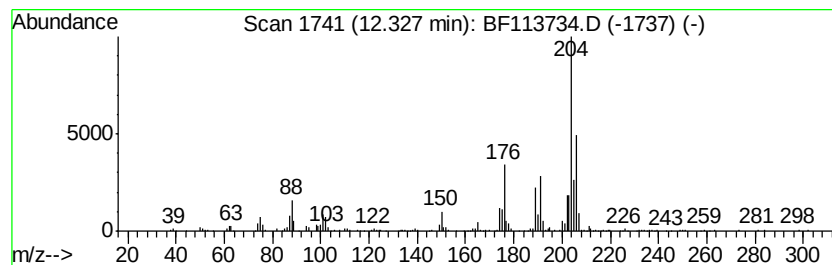
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.71 ng	284927	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	87
3		2,5,5,8a-Tetramethyl-6,7,8,8a-tetrahydronaphthalene	204	C14H20O	124957-09-1	43
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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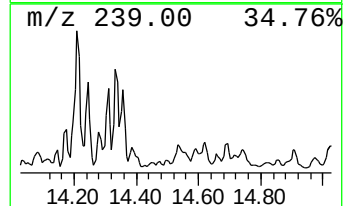
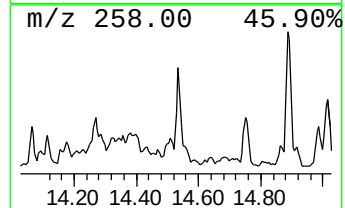
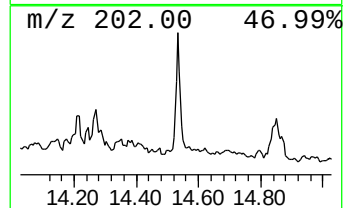
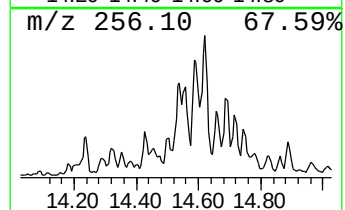
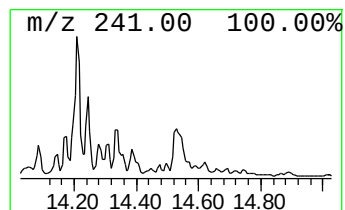
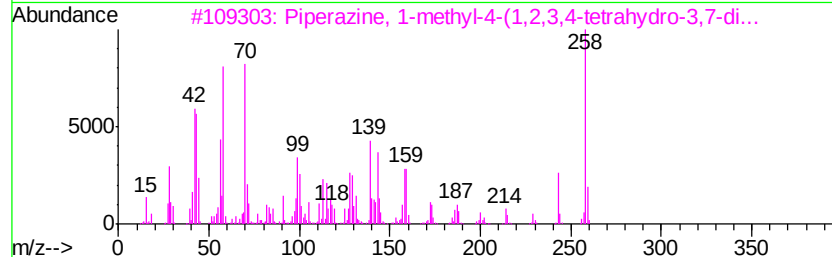
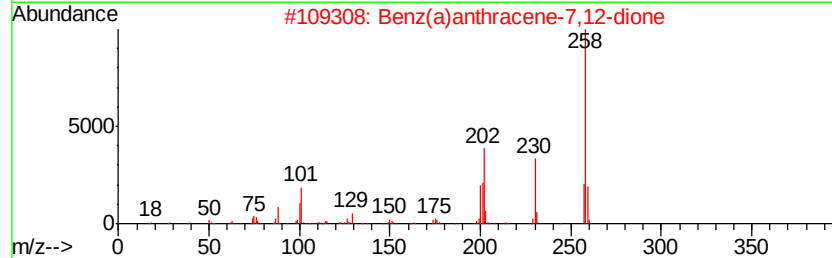
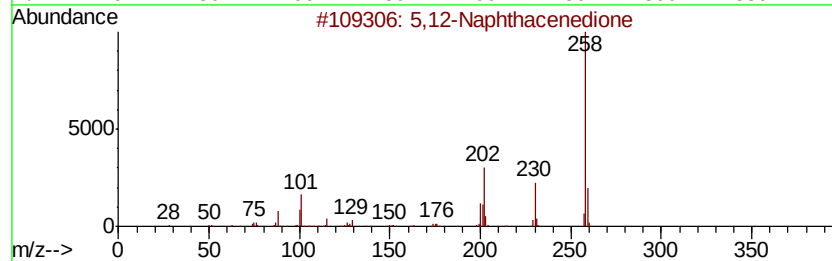
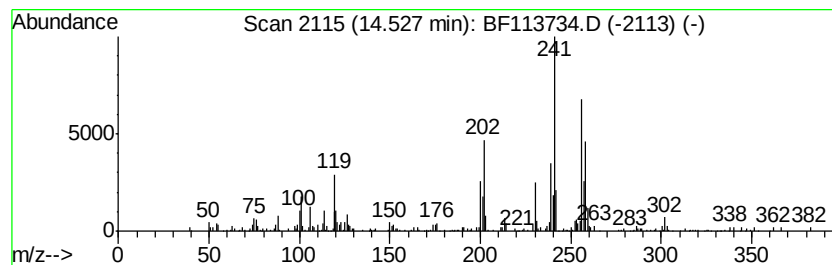
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5,12-Naphthacenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	8.26 ng	353290	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	64
2		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	62
3		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	59
4		Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	51
5		Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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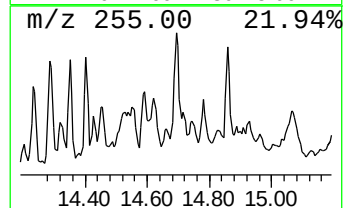
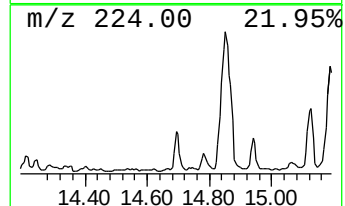
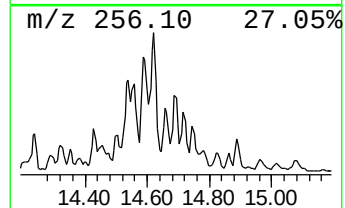
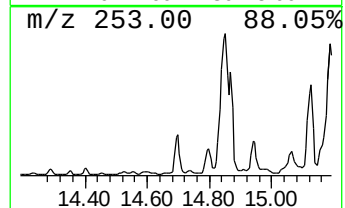
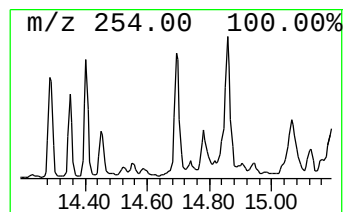
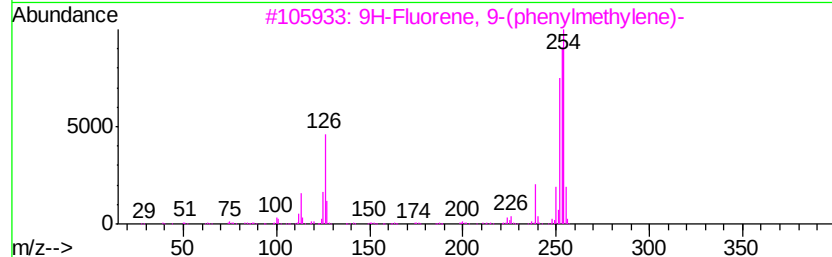
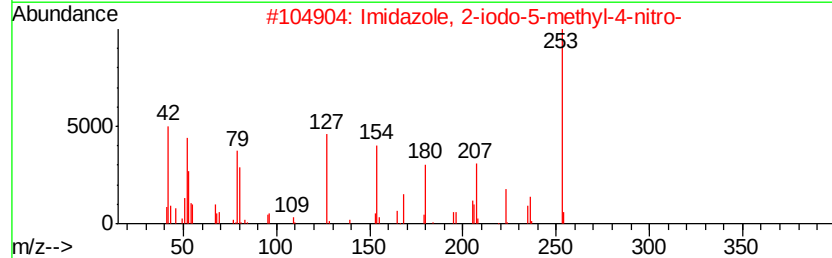
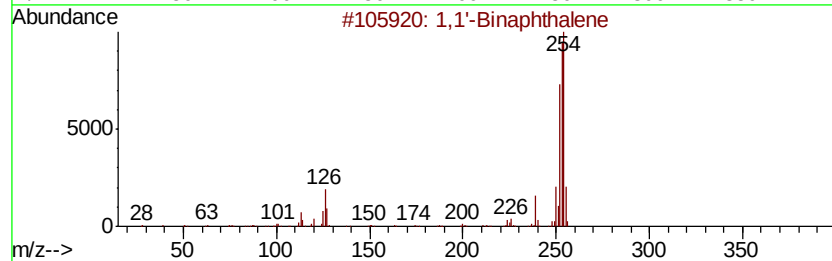
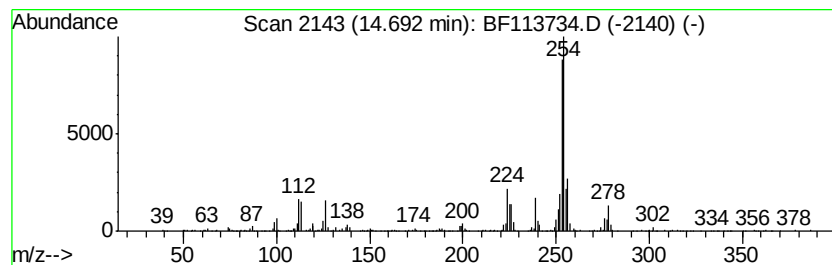
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Binaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.69	9.80 ng	419291	Perylene-d12	15.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	70
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
Acq On : 11 Apr 2019 21:54
Operator : JU/SJ
Sample : K2358-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-S

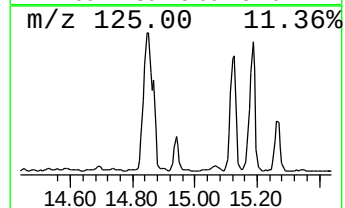
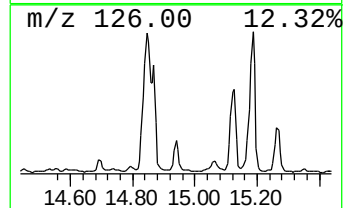
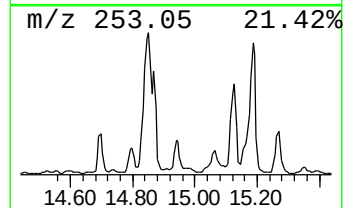
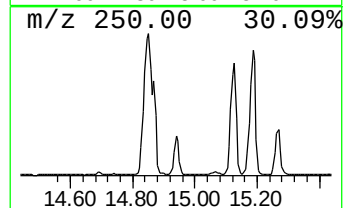
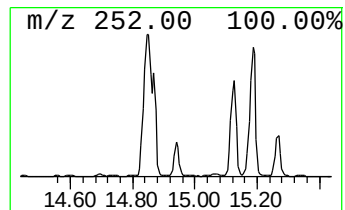
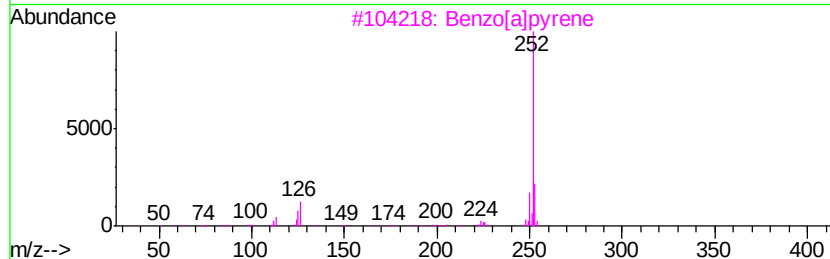
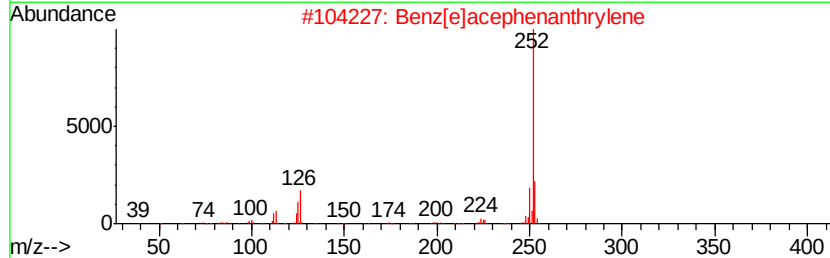
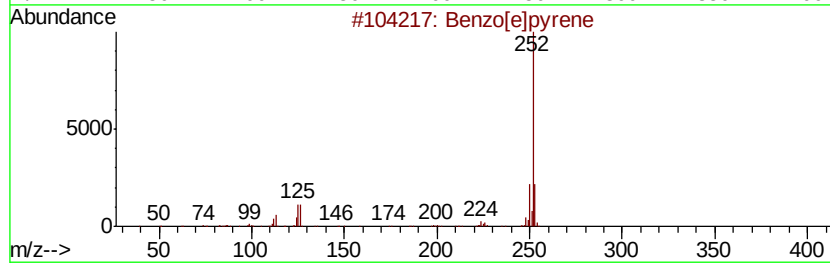
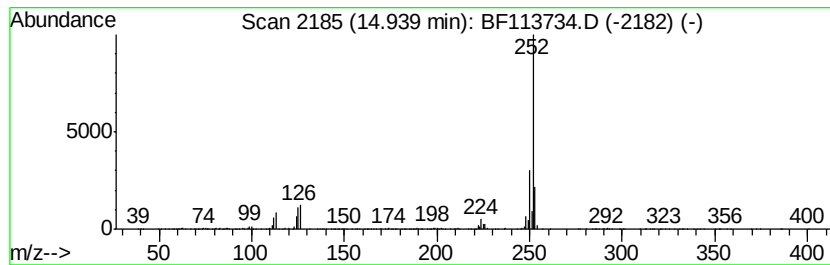
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	13.61 ng	582212	Perylene-d12	15.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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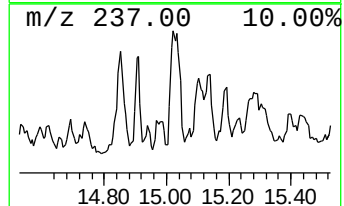
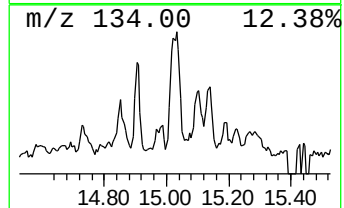
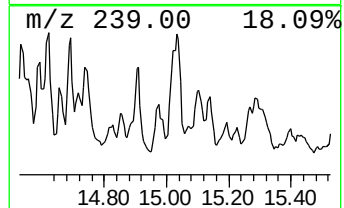
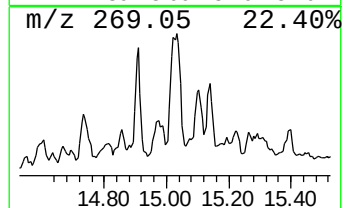
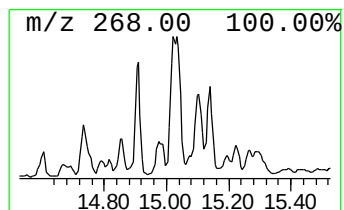
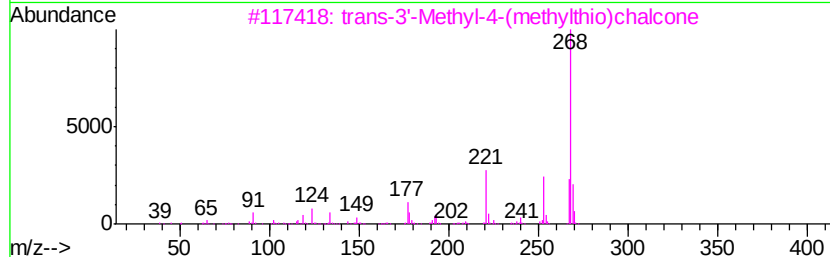
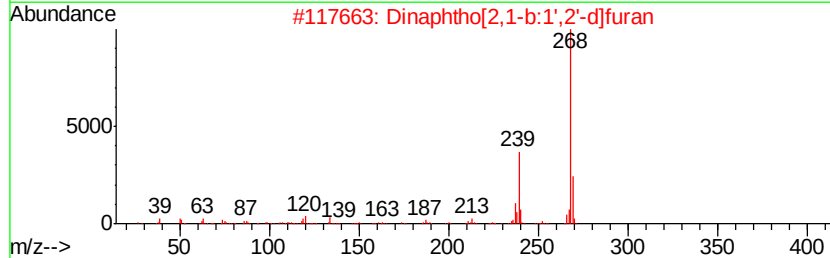
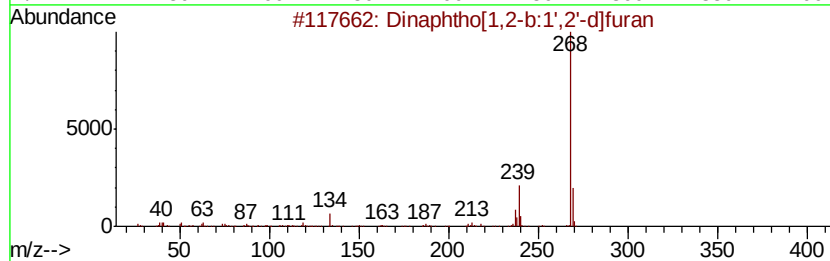
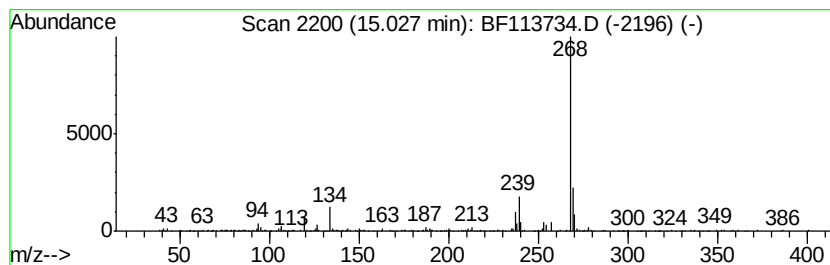
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.77 ng	375208	Perylene-d12	15.24
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2 91
2		Dinaphtho[2,1-b:1',2'-d]furan	268 C20H12O	000194-63-8 83
3		trans-3'-Methyl-4-(methylthio)ch...	268 C17H16OS	131316-14-8 64
4		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268 C17H20N2O	1000302-73-3 53
5		4H-Dibenz[a,kl]anthracene, 5,6-d...	268 C21H16	007198-87-0 53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
Acq On : 11 Apr 2019 21:54
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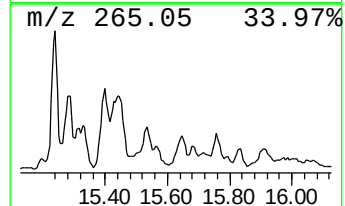
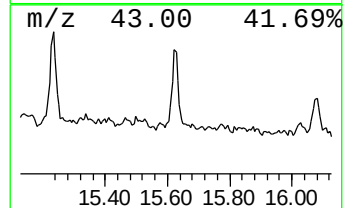
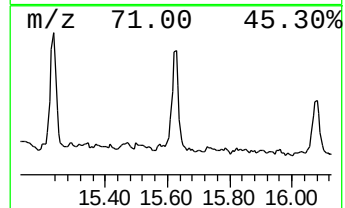
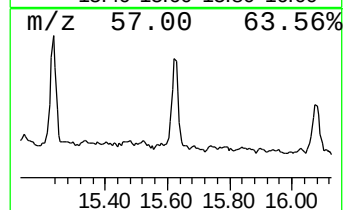
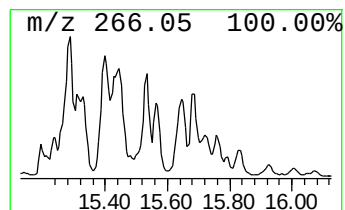
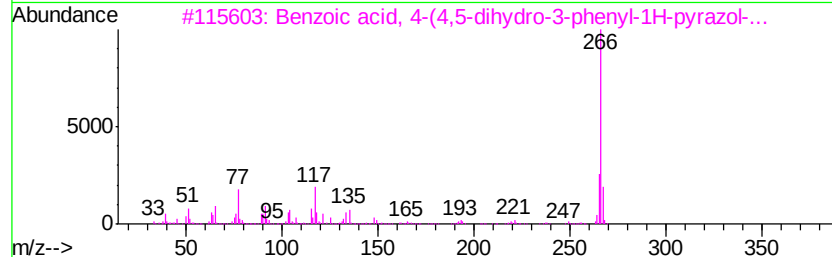
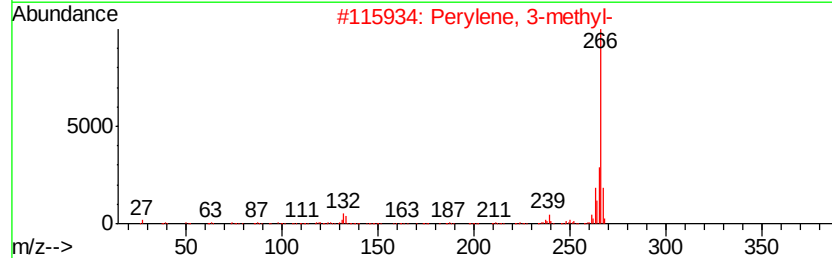
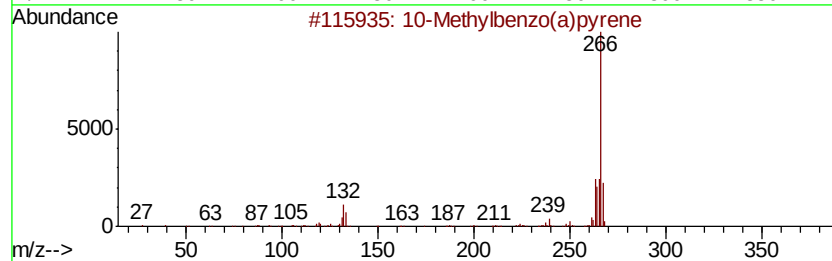
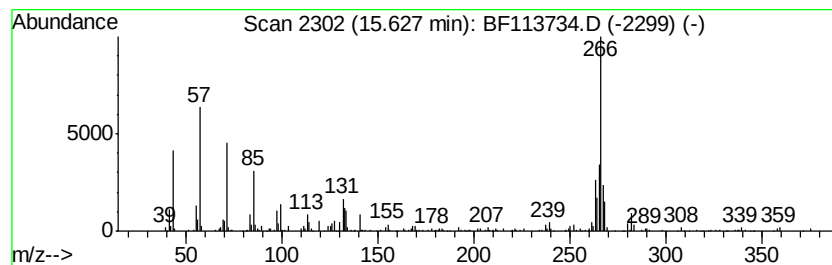
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 10-Methylbenzo(a)pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	5.84 ng	249863	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	50
2			Perylene, 3-methyl-	266	C21H14	024471-47-4	50
3			Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	46
4			Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	46
5			Formamide, N-[(2-nitrofluoren-9-...	266	C15H10N2O3	027398-54-5	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
Acq On : 11 Apr 2019 21:54
Operator : JU/SJ
Sample : K2358-11
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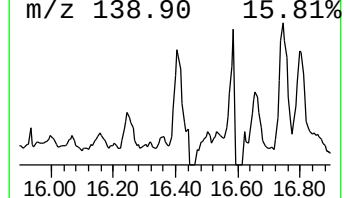
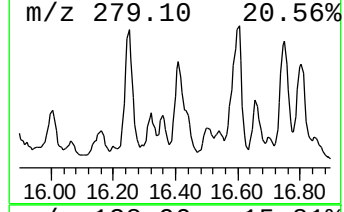
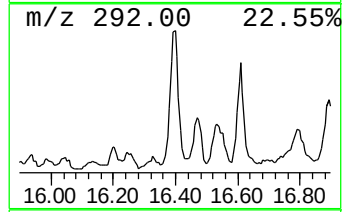
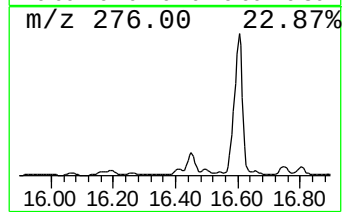
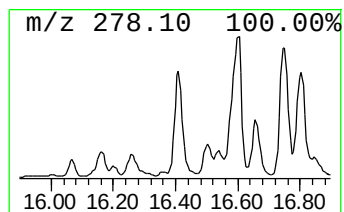
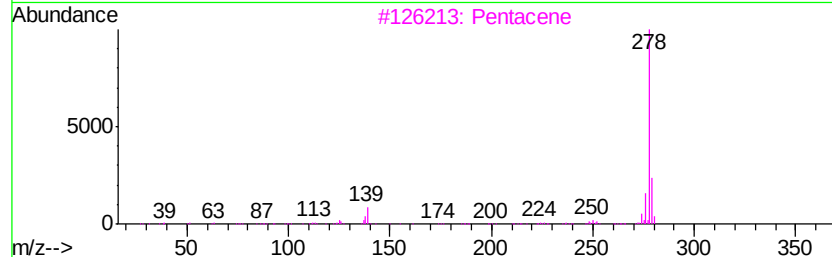
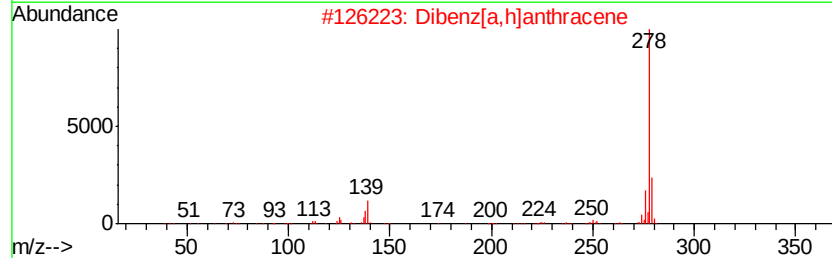
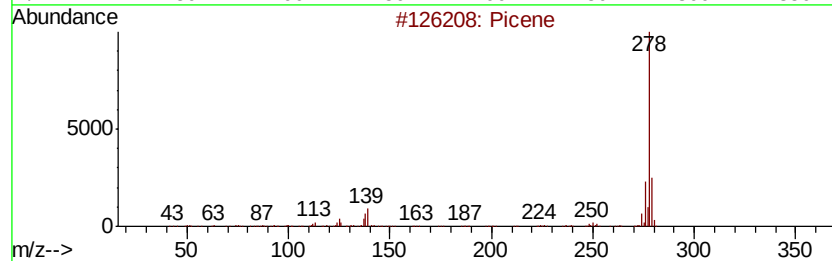
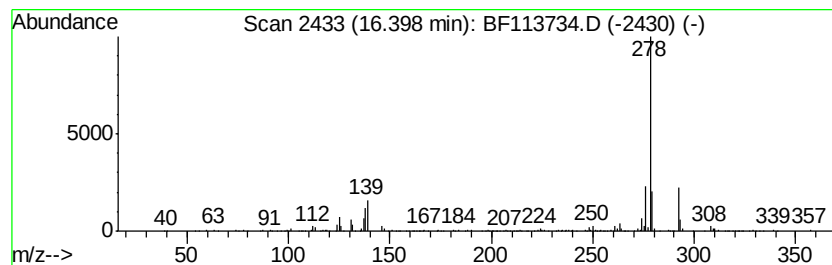
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	6.16 ng	263447	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	93
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
3		Pentacene	278	C22H14	000135-48-8	83
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	83
5		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	70



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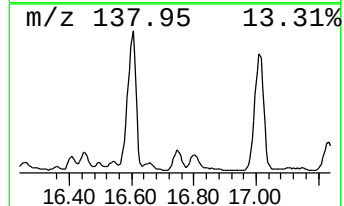
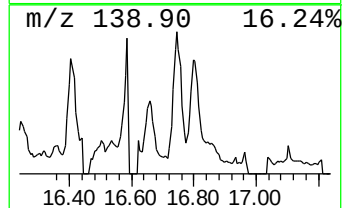
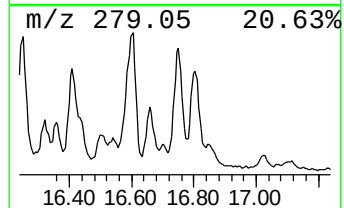
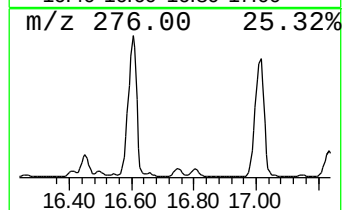
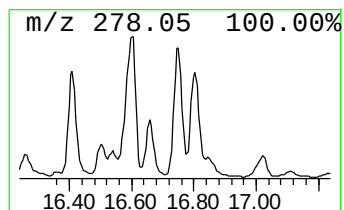
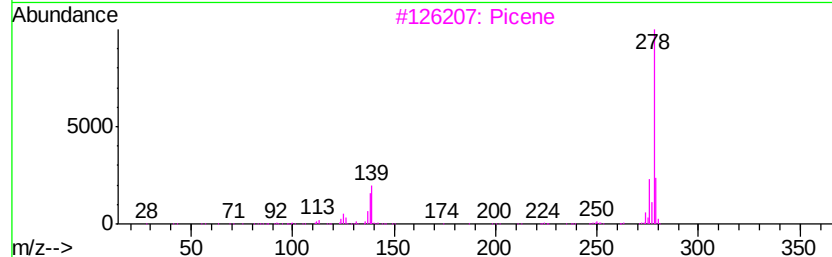
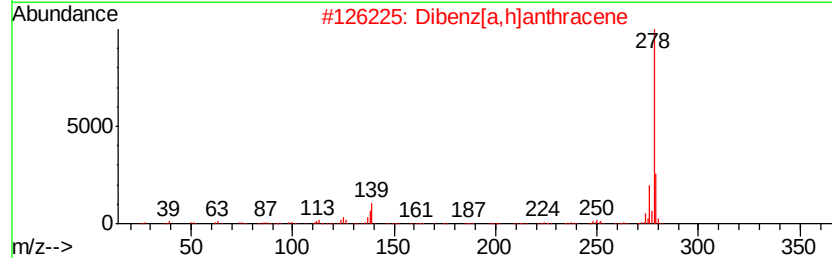
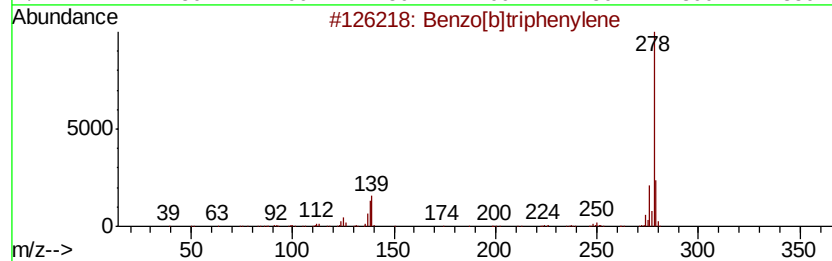
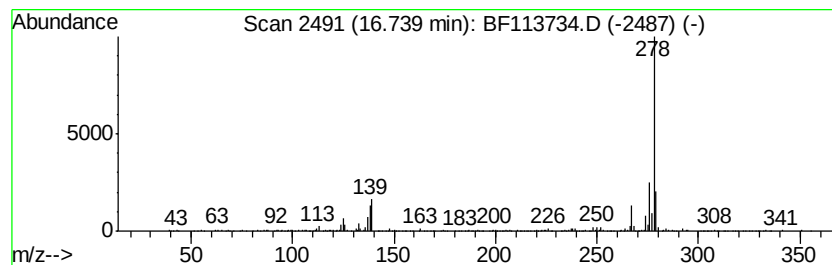
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	11.82 ng	505920	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Picene	278	C22H14	000213-46-7	95
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		Pentaphene	278	C22H14	000222-93-5	93



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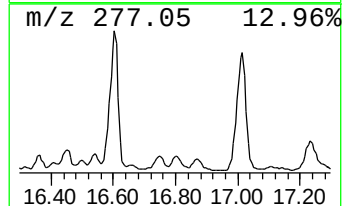
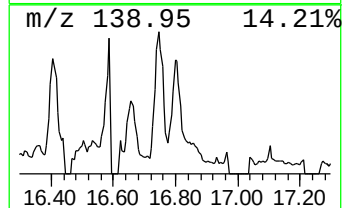
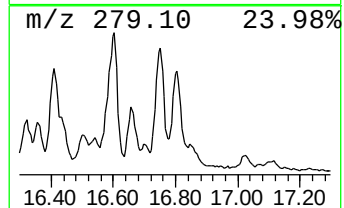
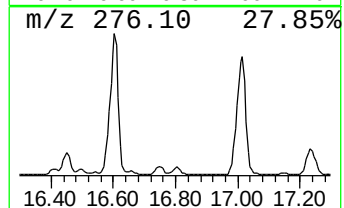
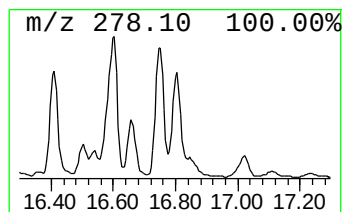
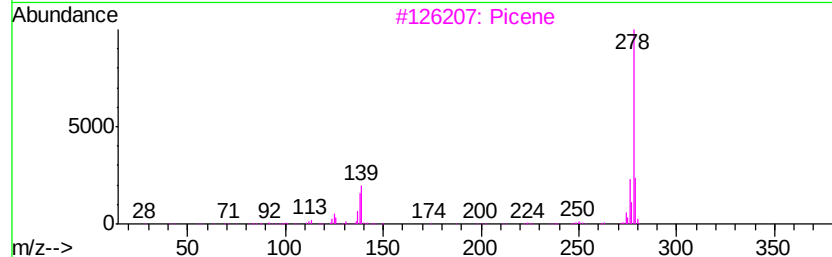
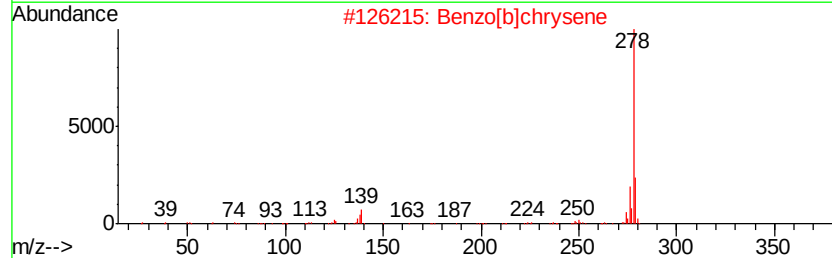
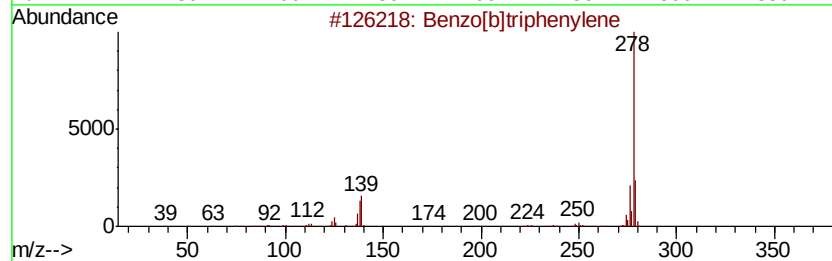
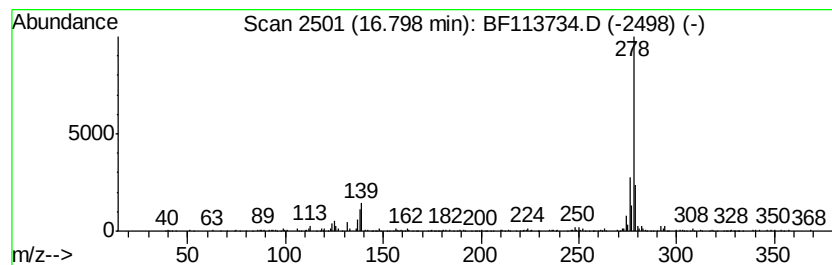
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[b]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	9.42 ng	403280	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Benzo[b]chrysene	278	C22H14	000214-17-5	97
3		Picene	278	C22H14	000213-46-7	97
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	93



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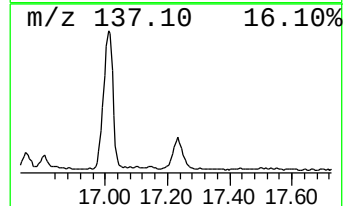
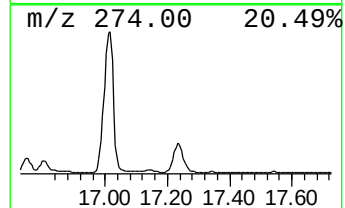
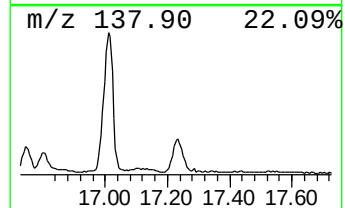
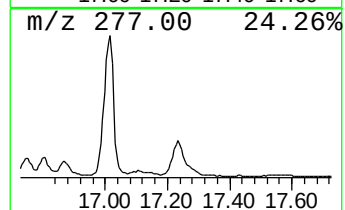
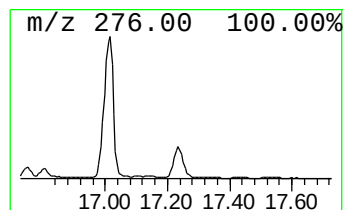
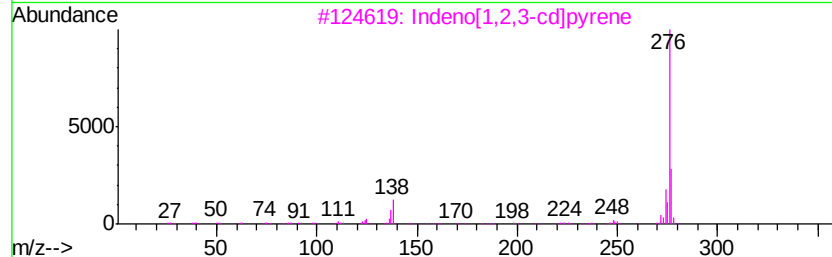
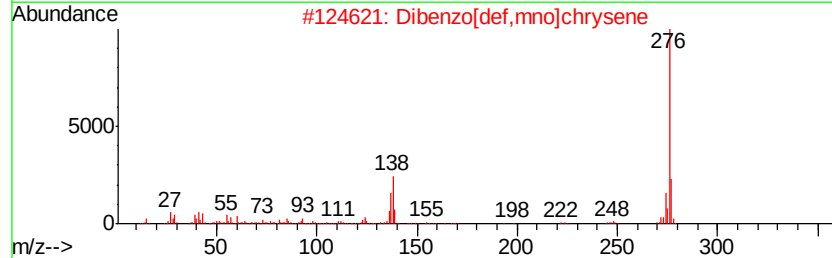
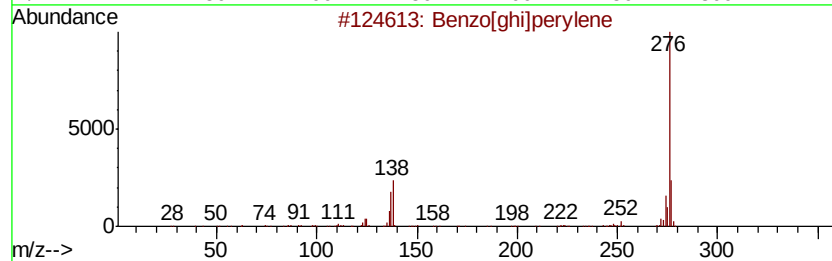
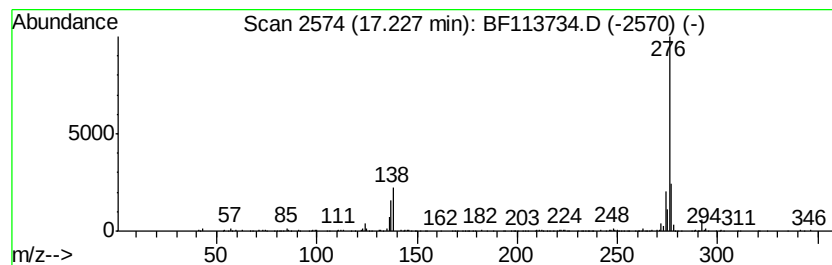
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	13.39 ng	572948	Perylene-d12	15.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5		Phenol, 2-(4-chlorophenyl)iminome...	276	C13H9ClN2O3	1000262-90-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113734.D
Acq On : 11 Apr 2019 21:54
Operator : JU/SJ
Sample : K2358-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7-S

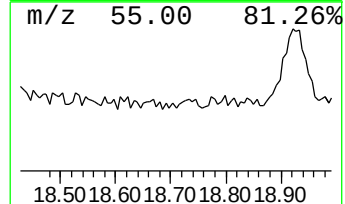
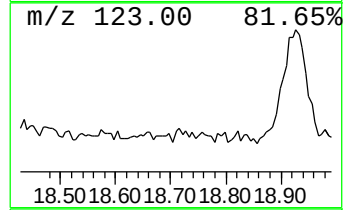
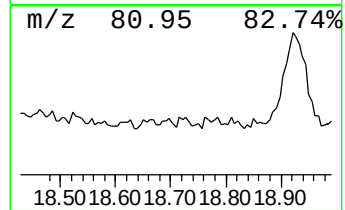
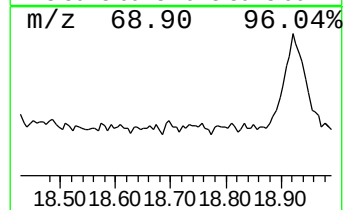
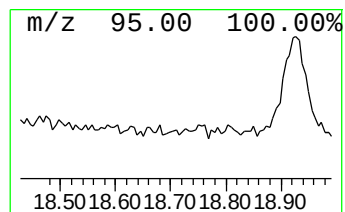
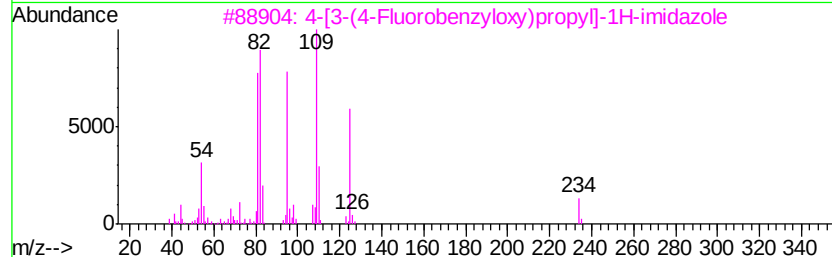
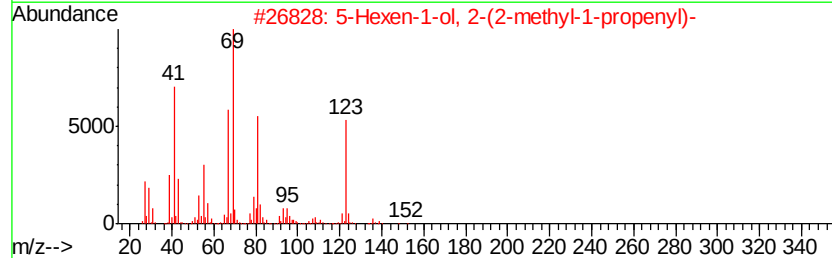
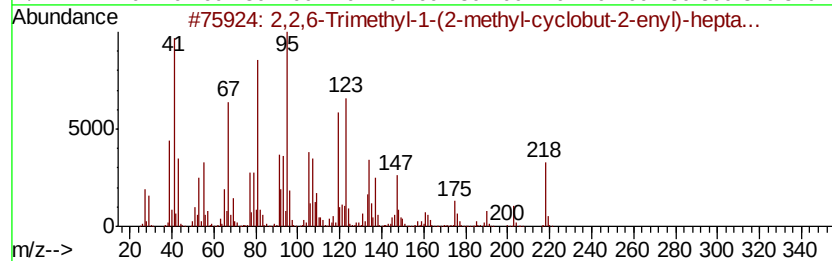
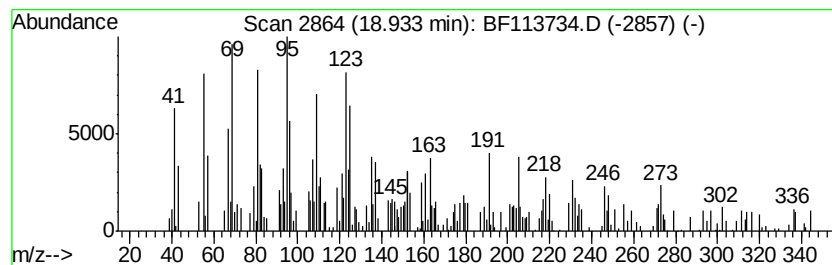
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2,2,6-Trimethyl-1-(2-methyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	5.55 ng	237680	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	64
2			5-Hexen-1-ol, 2-(2-methyl-1-prop...	154	C10H18O	018675-19-9	35
3			4-[3-(4-Fluorobenzoyloxy)propyl]-...	234	C13H15FN2O	1000311-87-2	30
4			Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	27
5			Thioctic acid	206	C8H14O2S2	001077-28-7	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041119\
 Data File : BF113734.D
 Acq On : 11 Apr 2019 21:54
 Operator : JU/SJ
 Sample : K2358-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	74.0	ng	2355690	1	6.67	636472	20.0
Phenanthrene, 2-m...	11.69	4.9	ng	245716	4	11.19	997758	20.0
Anthracene, 2-met...	11.72	9.2	ng	457883	4	11.19	997758	20.0
Anthracene, 1-met...	11.76	4.9	ng	244551	4	11.19	997758	20.0
1H-Cyclopropa[l]p...	11.79	9.5	ng	476055	4	11.19	997758	20.0
Phenanthrene, 2,5...	12.23	9.2	ng	459228	4	11.19	997758	20.0
unknown12.27	12.27	7.7	ng	385749	4	11.19	997758	20.0
Cyclopenta(def)ph...	12.33	5.7	ng	284927	4	11.19	997758	20.0
5,12-Naphthacened...	14.53	8.3	ng	353290	6	15.24	855851	20.0
1,1'-Binaphthalene	14.69	9.8	ng	419291	6	15.24	855851	20.0
Benzo[e]pyrene	14.94	13.6	ng	582212	6	15.24	855851	20.0
Dinaphtho[1,2-b:1...	15.03	8.8	ng	375208	6	15.24	855851	20.0
10-Methylbenzo(a)...	15.63	5.8	ng	249863	6	15.24	855851	20.0
Picene	16.40	6.2	ng	263447	6	15.24	855851	20.0
Benzo[b]triphenylene	16.74	11.8	ng	505920	6	15.24	855851	20.0
Benzo[b]chrysene	16.80	9.4	ng	403280	6	15.24	855851	20.0
Dibenzo[def,mno]c...	17.23	13.4	ng	572948	6	15.24	855851	20.0
2,2,6-Trimethyl-1...	18.93	5.5	ng	237680	6	15.24	855851	20.0