LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

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-BF111319.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	2.210	15	21	37	rVB	736706	1051541	19.46%	1.547%
2	5.134	510	518	528	rBV	802622	960821	17.78%	1.414%
3	5.534	581	586	589	rBV	4657499	4285853	79.32%	6.306%
4	6.539	752	757	770	rBV	4603347	4654594	86.15%	6.849%
5	6.686	778	782	785	rBV	5156586	4733061	87.60%	6.964%
6	6.922	818	822	825	rBV	1538317	1340361	24.81%	1.972%
7	7.075	844	848	852	rBV	4087905	3813380	70.58%	5.611%
8	7.481	912	917	920	rBV	3393313	2921463	54.07%	4.299%
9	8.204	1036	1040	1043	rBV	2034665	1721010	31.85%	2.532%
10	9.286	1219	1224	1227	rBV	6262034	5402911	100.00%	7.950%
11	9.675	1287	1290	1299	rVB	761469	645088	11.94%	0.949%
12	9.827	1313	1316	1320	rVB	157232	123914	2.29%	0.182%
13	9.969	1336	1340	1343	rBV	2390415	1921287	35.56%	2.827%
14	9.998	1343	1345	1348	rVB	108099	90611	1.68%	0.133%
15	10.174	1370	1375	1378	rBV	110005	116235	2.15%	0.171%
16	10.516	1430	1433	1438	rBV2	87282	85556	1.58%	0.126%
17	10.757	1470	1474	1478	rBV	3887284	3458737	64.02%	5.089%
18	10.886	1491	1496	1499	rVB4	78123	94585	1.75%	0.139%
19	11.263	1557	1560	1564	rVB	210891	176936	3.27%	0.260%
20	11.321	1564	1570	1573	rBV2	94473	123085	2.28%	0.181%
21	11.357	1573	1576	1581	rVB	149797	131976	2.44%	0.194%
22	11.463	1590	1594	1596	rBV	1999782	2042216	37.80%	3.005%
23	11.486	1596	1598	1601	rVV	2285987	1728391	31.99%	2.543%
24	11.533	1601	1606	1609	rVB	351401	327342	6.06%	0.482%
25	11.686	1627	1632	1635	rBV2	145429	167739	3.10%	0.247%
26	11.757	1641	1644	1647	rVB2	78455	67225	1.24%	0.099%
27	11.792	1647	1650	1652	rBV	116556	90083	1.67%	0.133%
28	11.963	1675	1679	1680	rBV	480747	380336	7.04%	0.560%
29	11.986	1680	1683	1687	rVV2	890245	1015835	18.80%	1.495%
30	12.039	1690	1692	1694	rVV	100166	83441	1.54%	0.123%
31	12.074	1694	1698	1700	rVV2	433464	468829	8.68%	0.690%
32	12.098	1700	1702	1706	rVB	326490	255911	4.74%	0.377%
33	12.163	1707	1713	1716	rBV4	74681	122174	2.26%	0.180%
34	12.257	1726	1729	1731	rBV	273272	231641	4.29%	0.341%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 7-(4-6)

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.280	1731	1733	1740	rVB2	318921	276304	5.11%	0.407%
36	12.410	1753	1755	1757	rVB	119263	90131	1.67%	0.133%
37	12.439	1757	1760	1762	rBV	101344	70741	1.31%	0.104%
38	12.463	1762	1764	1766	rVB	81435	62825	1.16%	0.092%
39	12.516	1769	1773	1775	rBV	258008	264096	4.89%	0.389%
40	12.551	1775	1779	1781	rVV2	148088	182590	3.38%	0.269%
41	12.598	1784	1787	1792	rVB	263129	252125	4.67%	0.371%
42	12.674	1797	1800	1804	rBV	2105293	1915953	35.46%	2.819%
43	12.768	1814	1816	1819	rBV	231300	176213	3.26%	0.259%
44	12.804	1819	1822	1824	rVV2	76931	67973	1.26%	0.100%
45	12.910	1834	1840	1845	rBV	1992490	2189189	40.52%	3.221%
46	12.957	1845	1848	1852	rVB2	98063	147787	2.74%	0.217%
47	13.021	1856	1859	1860	rBV3	81061	71987	1.33%	0.106%
48	13.051	1860	1864	1867	rBV	5122117	4307271	79.72%	6.338%
49	13.121	1872	1876	1880	rBV3	179605	277139	5.13%	0.408%
50	13.215	1888	1892	1893	rBV3	148959	178422	3.30%	0.263%
51	13.233	1893	1895	1898	rVB	190375	162602	3.01%	0.239%
52	13.280	1898	1903	1904	rBV4	54644	75406	1.40%	0.111%
53	13.298	1904	1906	1909	rVV	80212	76475	1.42%	0.113%
54	13.339	1909	1913	1915	rVV2	277892	259261	4.80%	0.381%
55	13.363	1915	1917	1920	rVB2	76259	69999	1.30%	0.103%
56	13.433	1926	1929	1931	rBV	155635	133352	2.47%	0.196%
57	13.463	1931	1934	1937	rVB	193926	164380	3.04%	0.242%
58	13.739	1978	1981	1986	rVB	294478	281874	5.22%	0.415%
59	13.810	1990	1993	1996	rBV2	201533	181122	3.35%	0.266%
60	13.851	1996	2000	2004	rVV2	138794	221474	4.10%	0.326%
61	13.904	2004	2009	2014	rVV4	265590	439713	8.14%	0.647%
62	13.951	2014	2017	2023	rVV2	473943	565276	10.46%	0.832%
63	14.104	2036	2043	2046	rBV2	1574655	2287007	42.33%	3.365%
64	14.133	2046	2048	2054	rVB	848904	746882	13.82%	1.099%
65	14.462	2101	2104	2105	rBV2	66594	59793	1.11%	0.088%
66	14.498	2107	2110	2113	rVV2	253175	288294	5.34%	0.424%
67	14.527	2113	2115	2119	rVV2	166129	170089	3.15%	0.250%
68	14.580	2119	2124	2128	rVV3	172550	317644	5.88%	0.467%
69	14.621	2128	2131	2133	rVV4	112283	134401	2.49%	0.198%
70	14.645	2133	2135	2138	rVB	80181	71037	1.31%	0.105%
71	14.898	2175	2178	2181	rBV2	120737	117767	2.18%	0.173%

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Instrument : BNA_F
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Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.945	2184	2186	2189	rVB2	103166	88698	1.64%	0.131%
73	14.980	2189	2192	2195	rBV2	95790	110938	2.05%	0.163%
74	15.068	2204	2207	2212	rVB3	99746	134507	2.49%	0.198%
75	15.168	2219	2224	2228	rBV2	662347	1079622	19.98%	1.589%
76	15.251	2235	2238	2241	rBV	100837	111592	2.07%	0.164%
77	15.280	2241	2243	2249	rVV	119996	138165	2.56%	0.203%
78	15.333	2249	2252	2256	rVB5	60515	74430	1.38%	0.110%
79	15.486	2274	2278	2285	rVB	411311	544819	10.08%	0.802%
80	15.551	2285	2289	2294	rVB	468635	554340	10.26%	0.816%
81	15.621	2295	2301	2304	rBV	1188447	1611334	29.82%	2.371%
82	15.651	2304	2306	2313	rVB3	180409	259752	4.81%	0.382%
83	16.115	2381	2385	2392	rBV4	93885	165882	3.07%	0.244%
84	17.139	2554	2559	2567	rVB2	209648	421899	7.81%	0.621%
85	17.392	2599	2602	2608	rVB3	45003	66727	1.24%	0.098%
86	17.603	2632	2638	2647	rVB	205488	413055	7.65%	0.608%

Sum of corrected areas: 67964522

LSC Report - Integrated Chromatogram

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Sample : K5833-04
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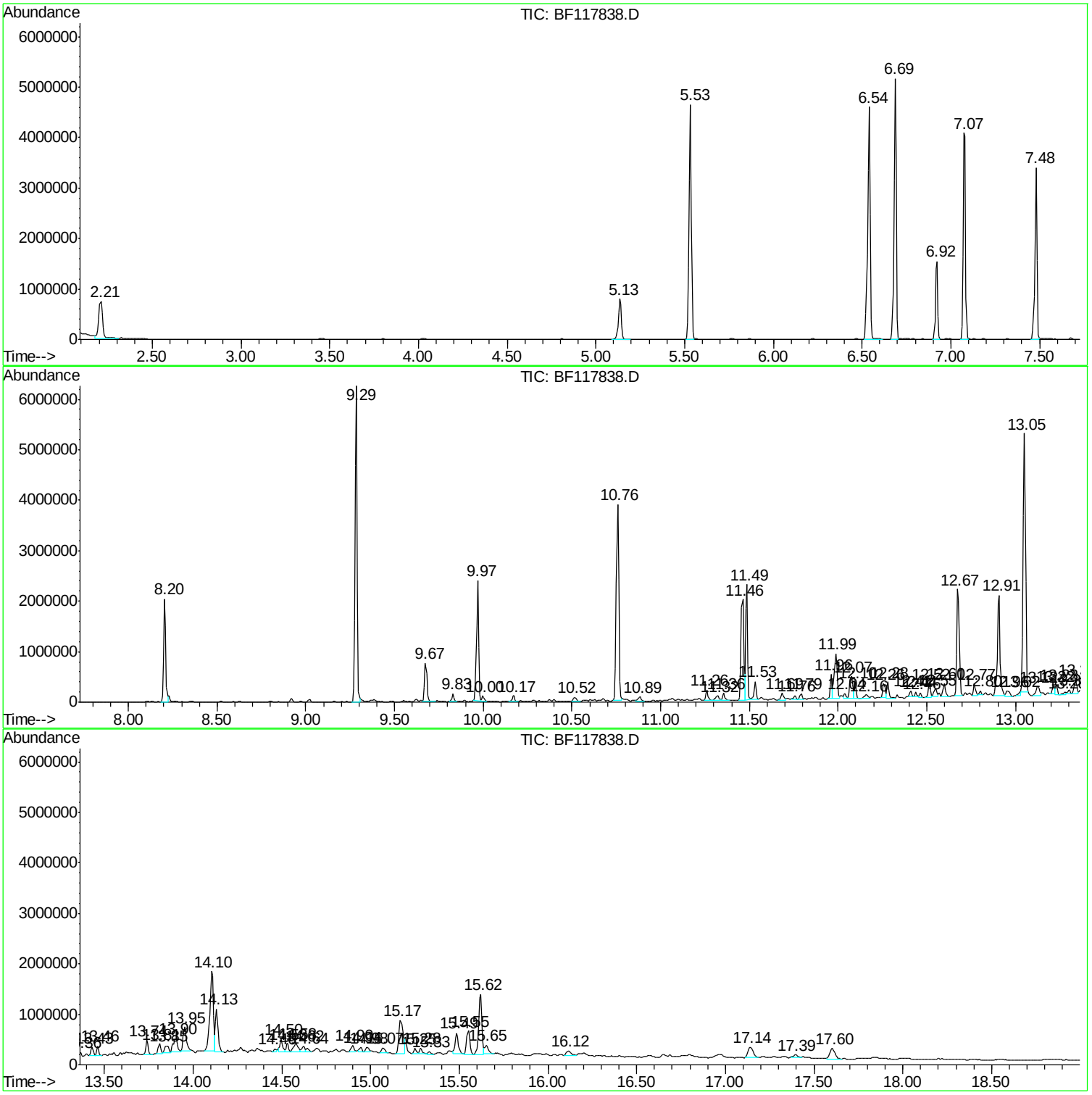
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

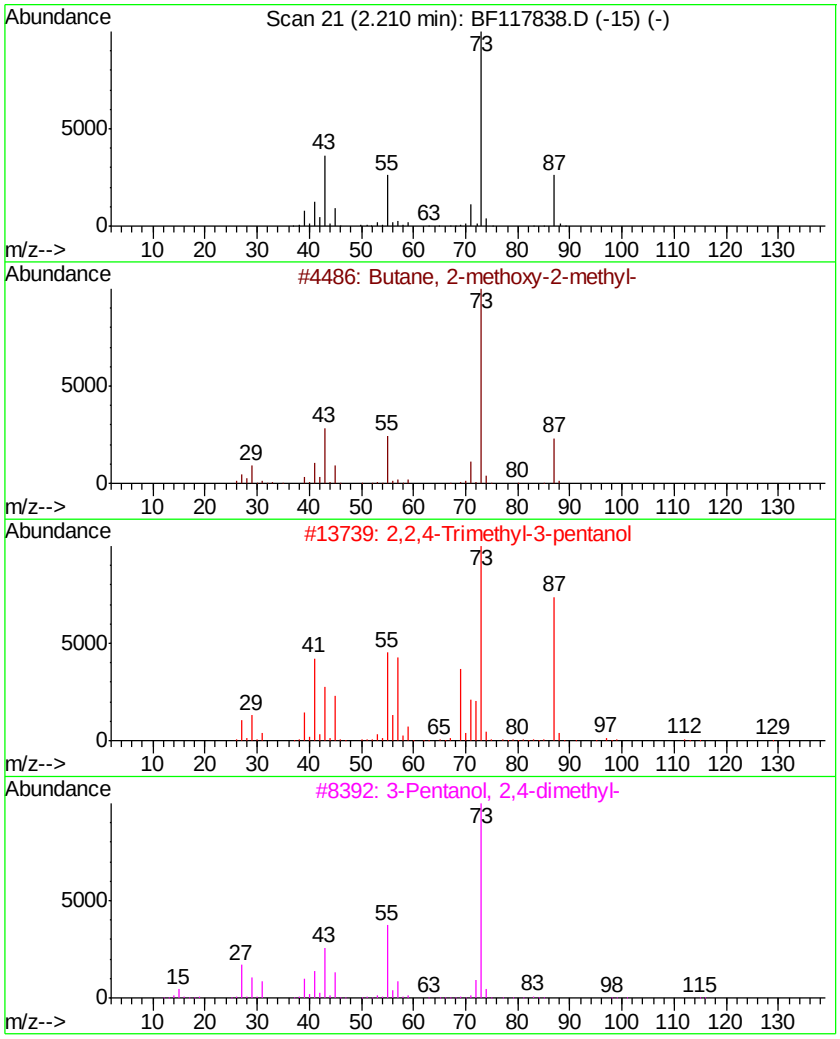
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

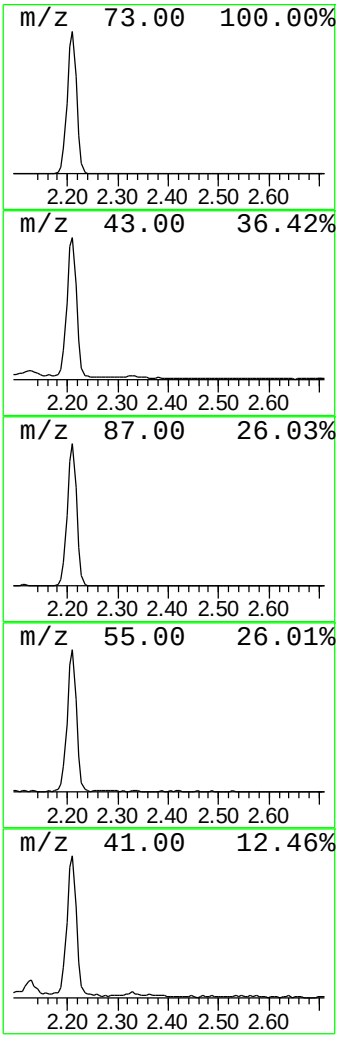
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	15.69 ng	1051540	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
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Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

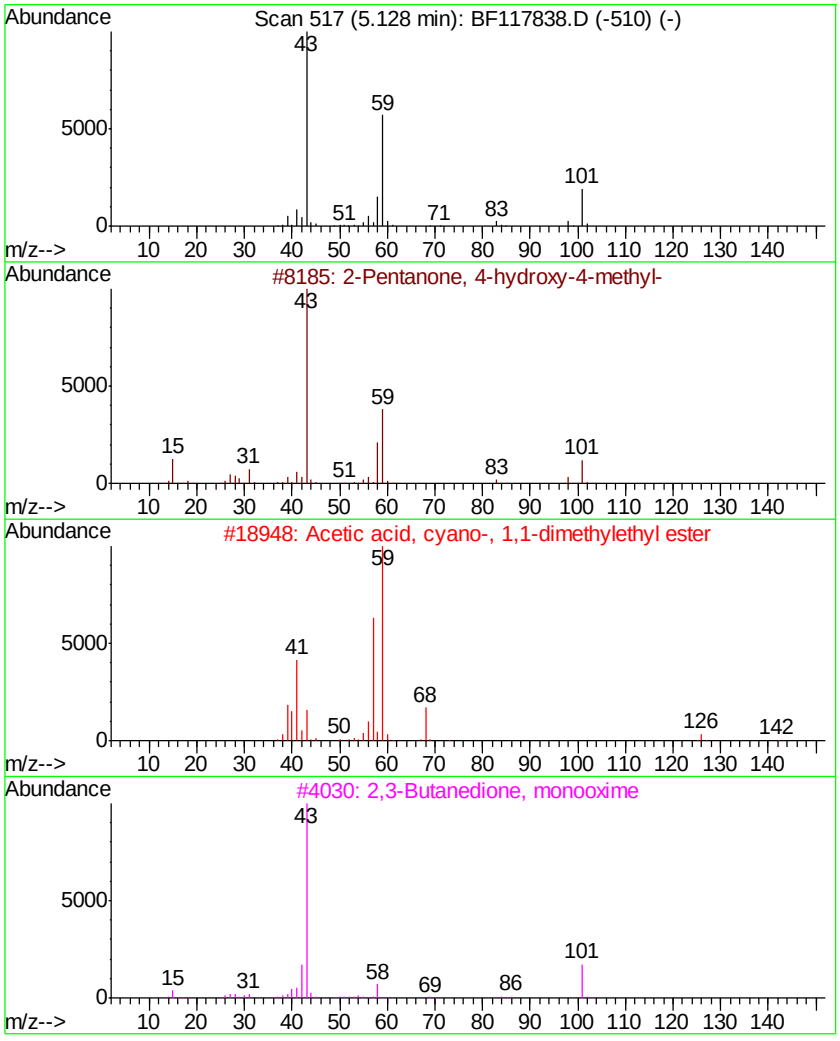
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

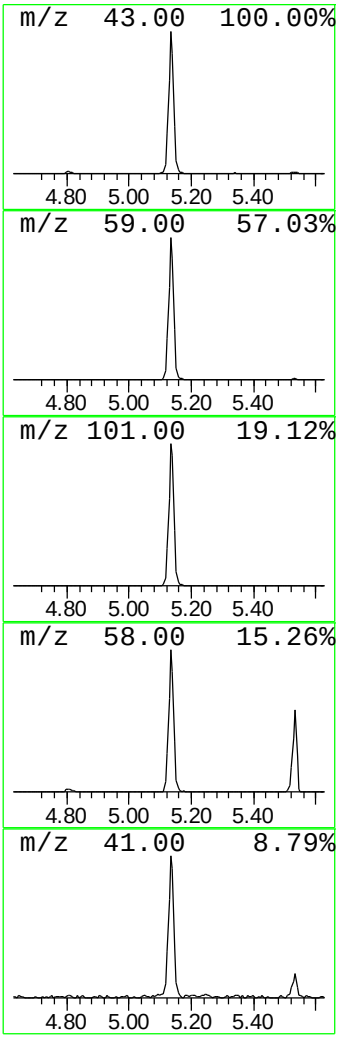
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	14.34 ng	960821	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

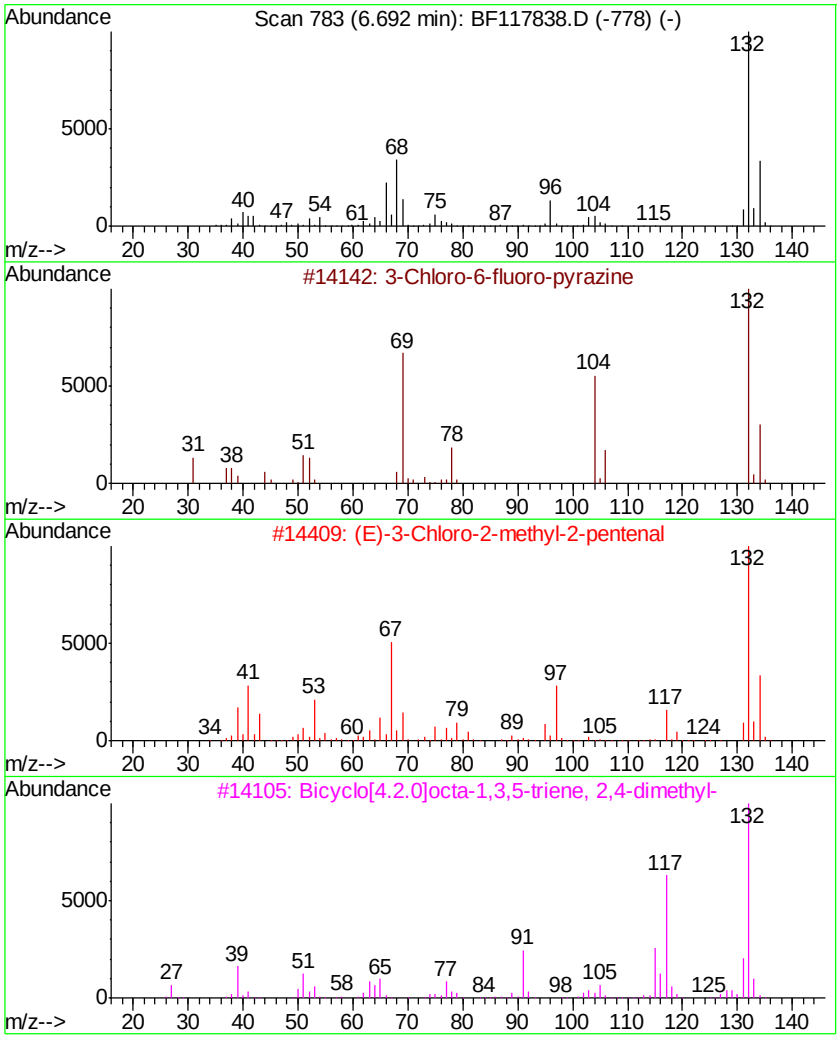
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

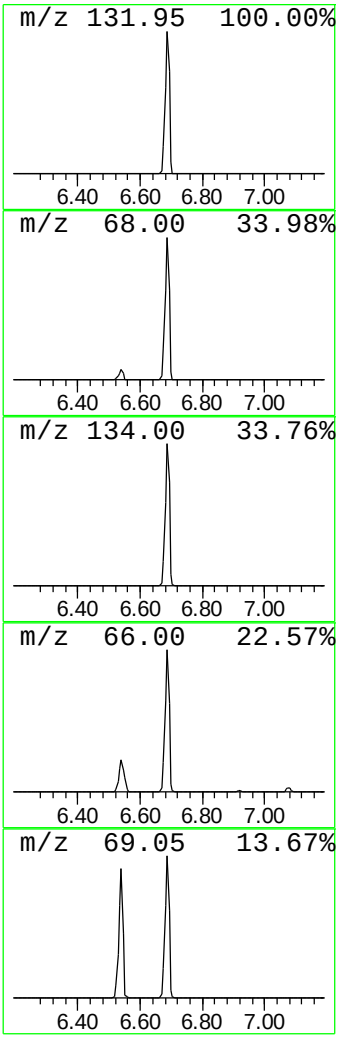
****

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	70.62 ng	4733060	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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TIC Library : C:\DATABASE\NIST11.L
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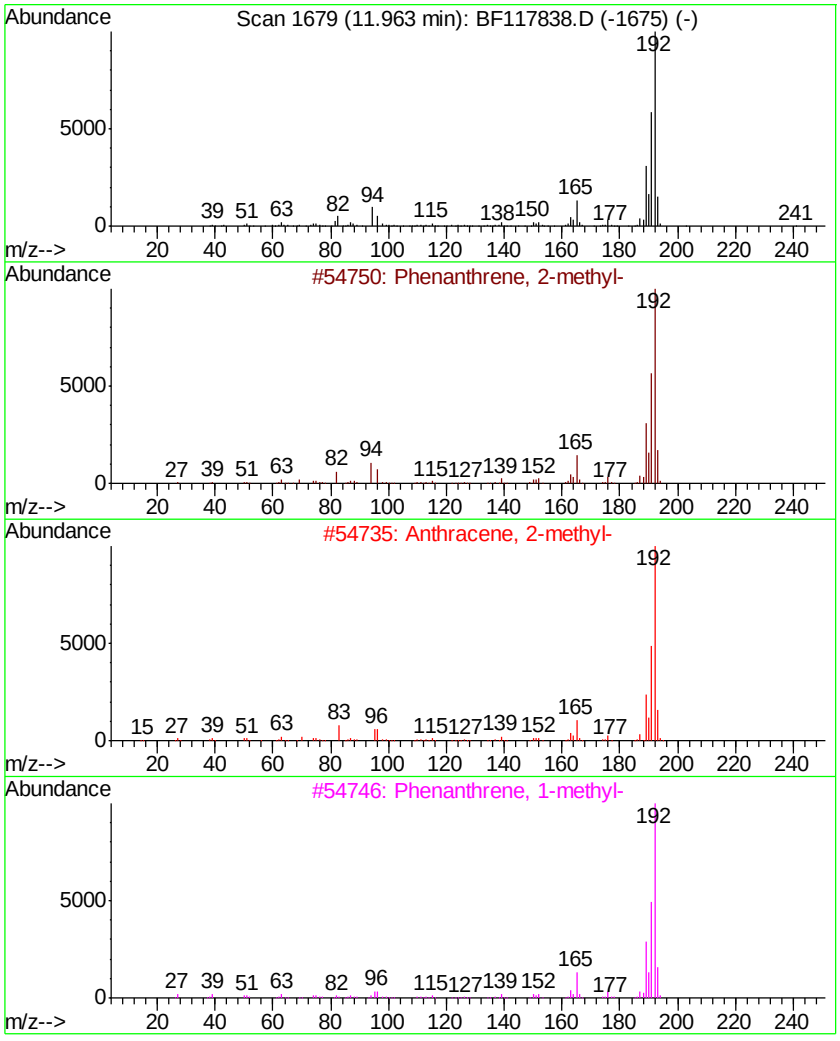
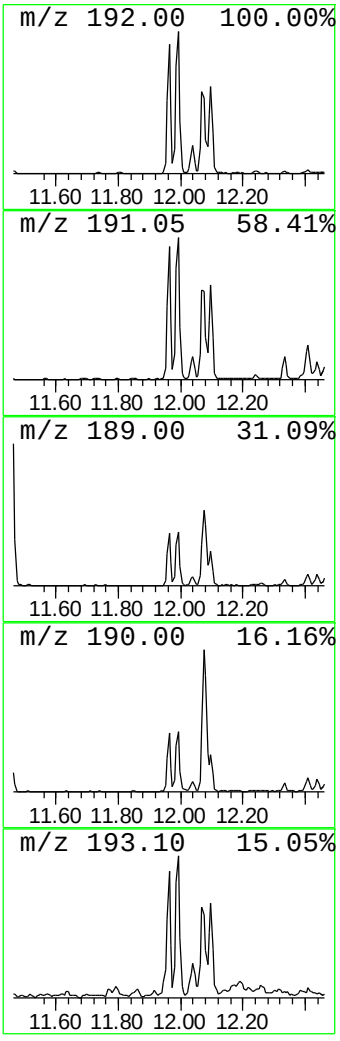
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.72 ng	380336	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

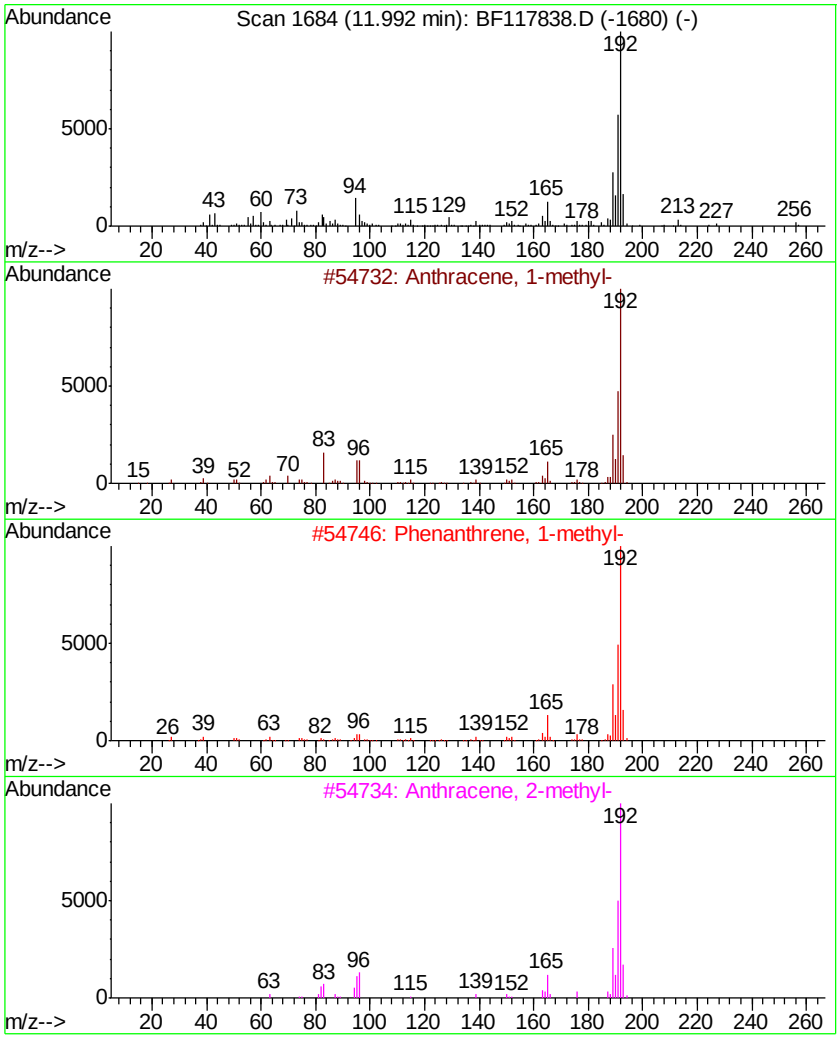
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

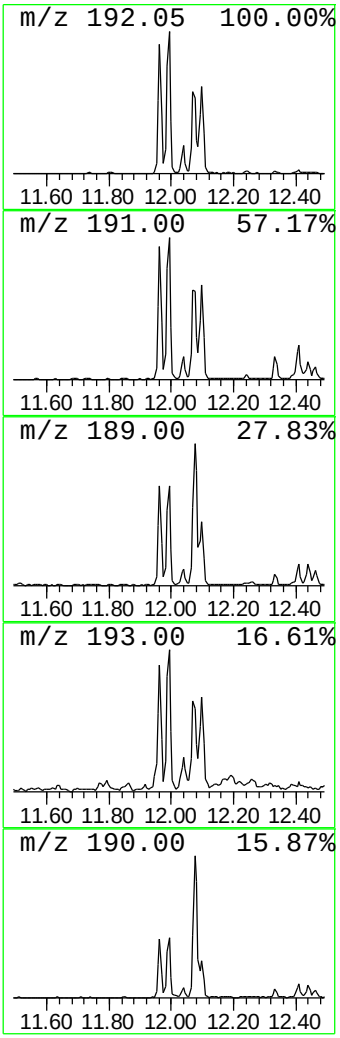
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	9.95 ng	1015840	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

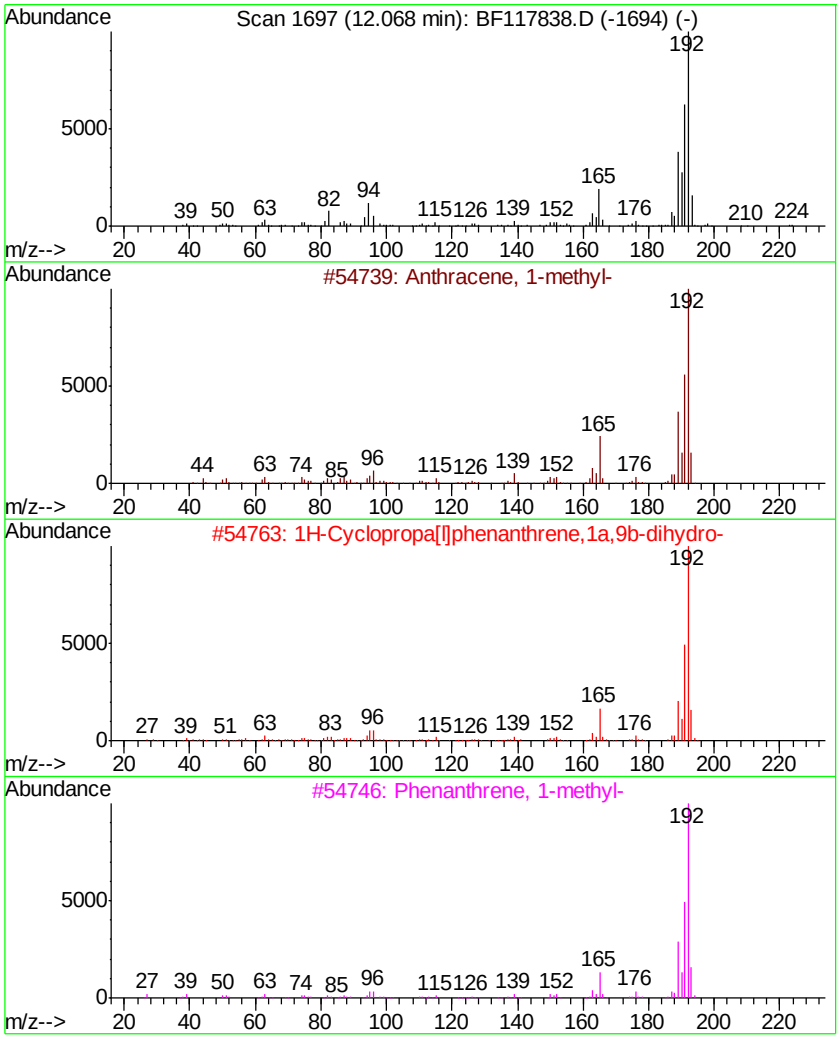
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

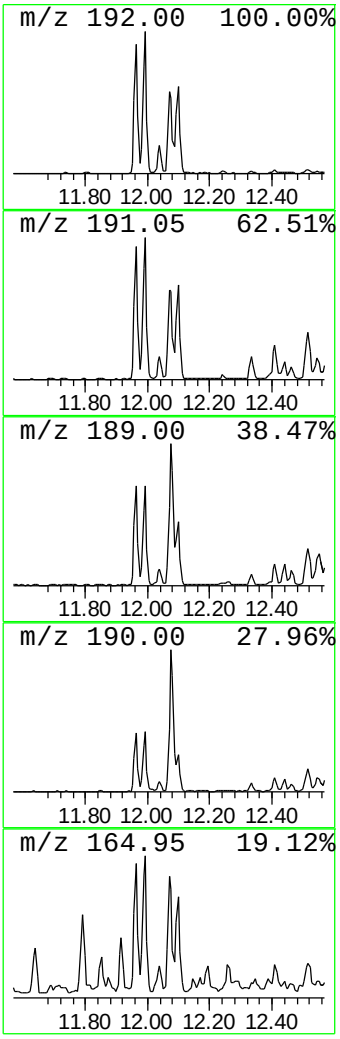
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.59 ng	468829	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	84
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46





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Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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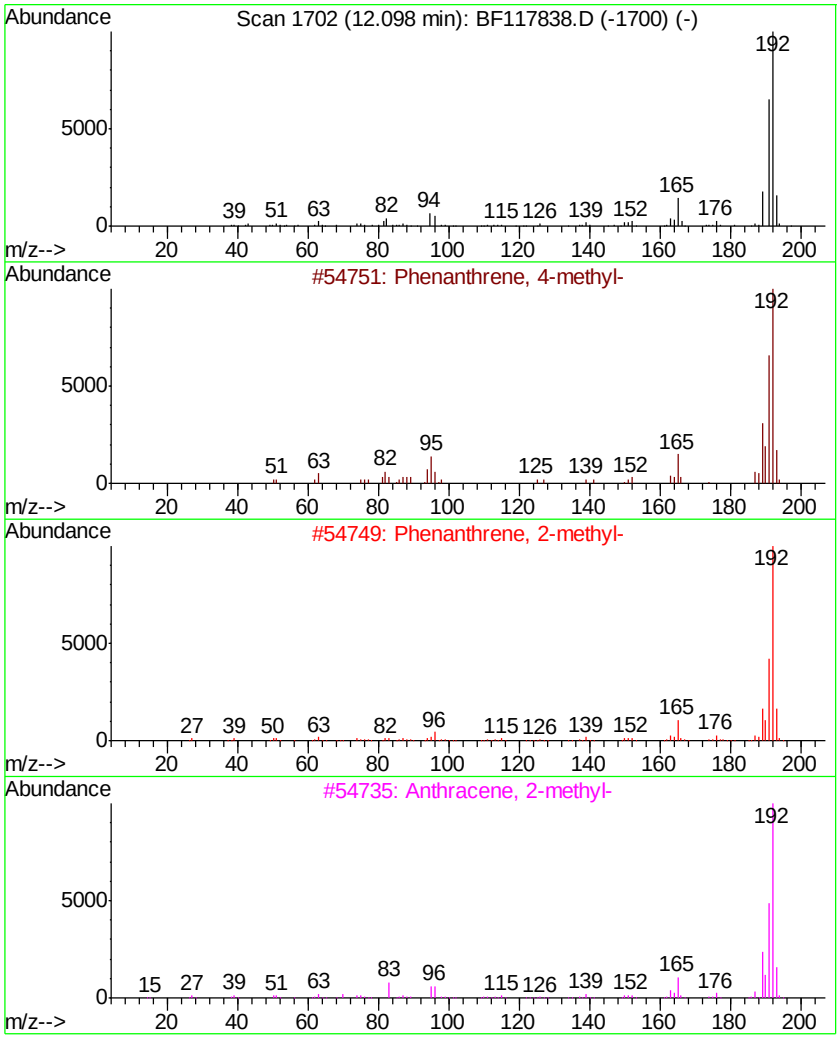
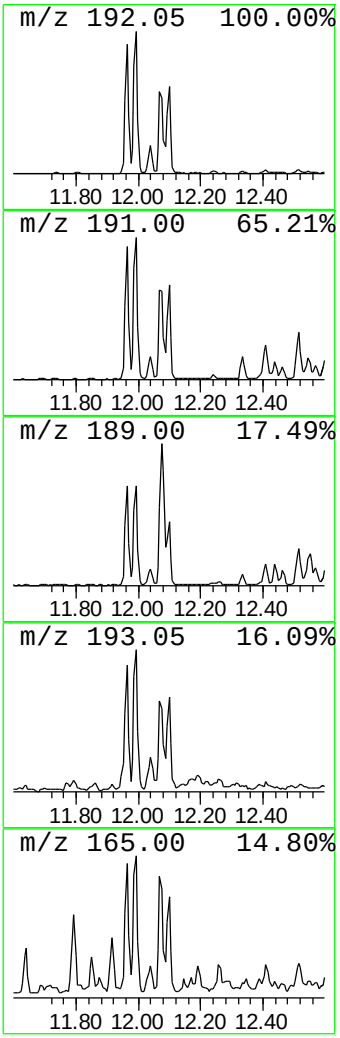
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.51 ng	255911	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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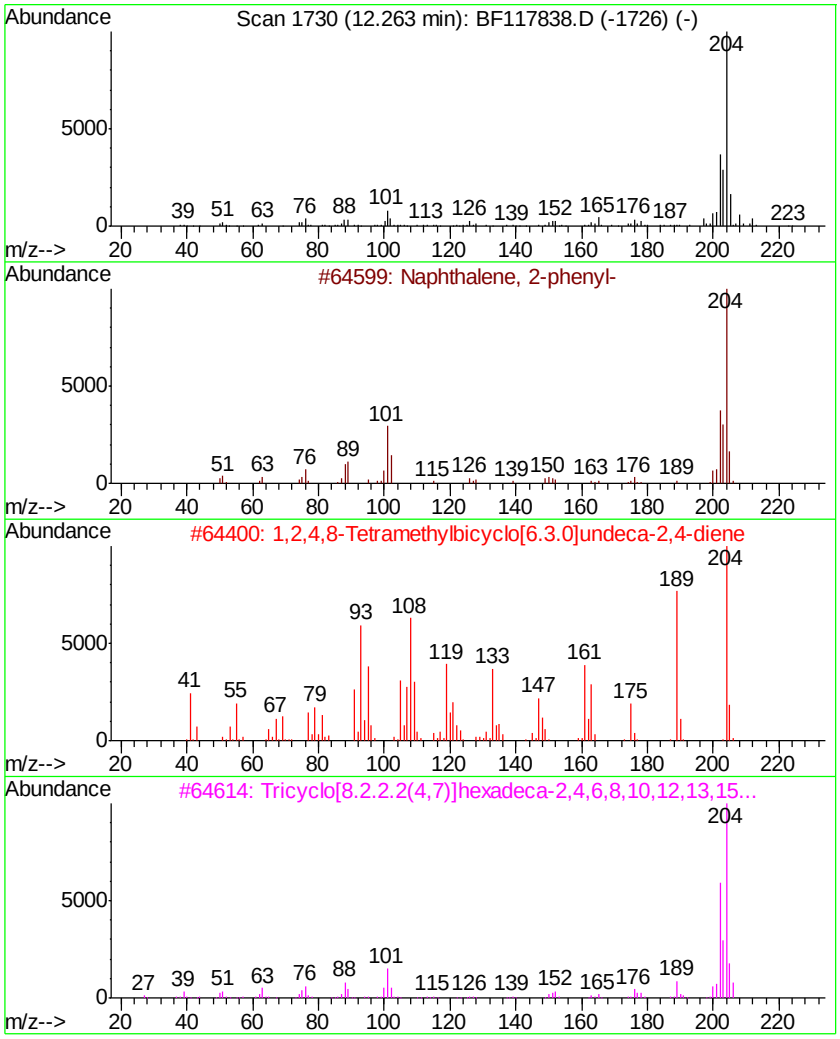
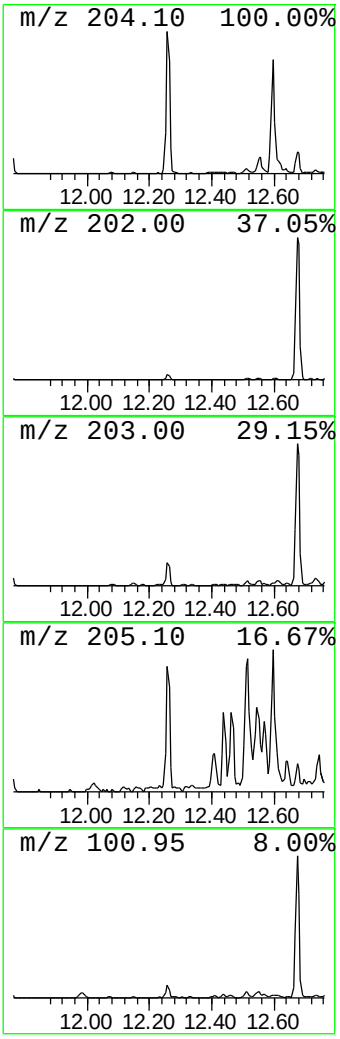
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.27 ng	231641	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58





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Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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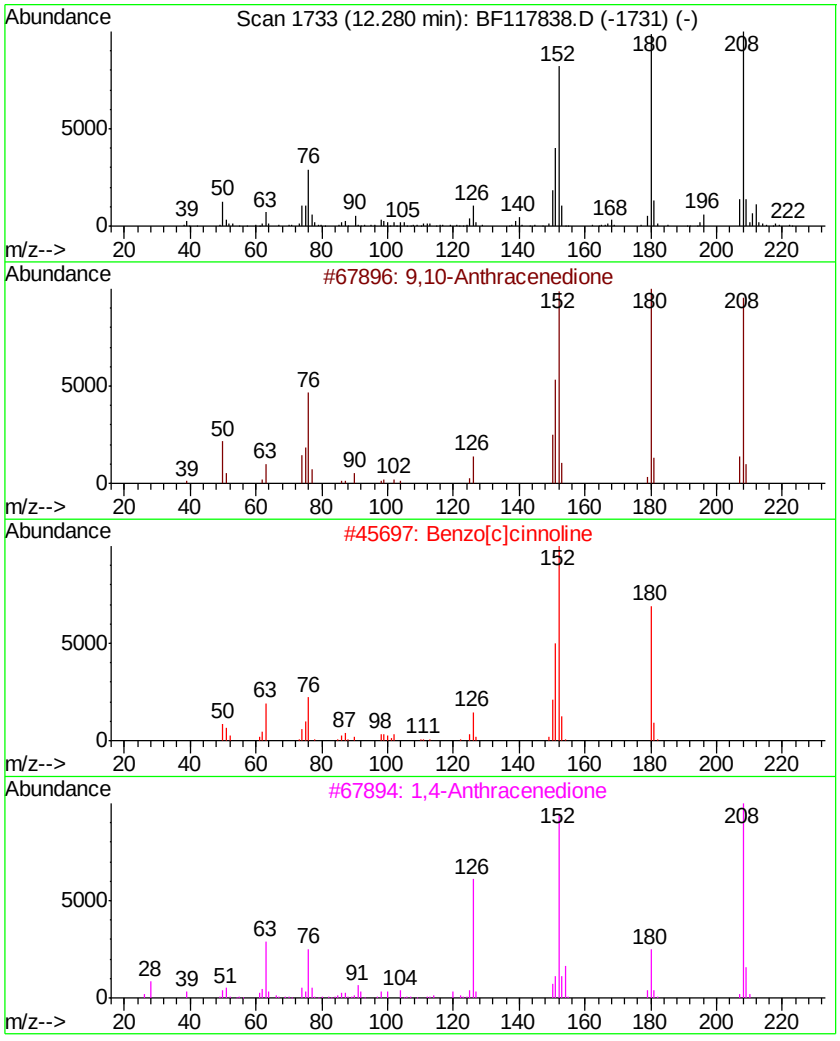
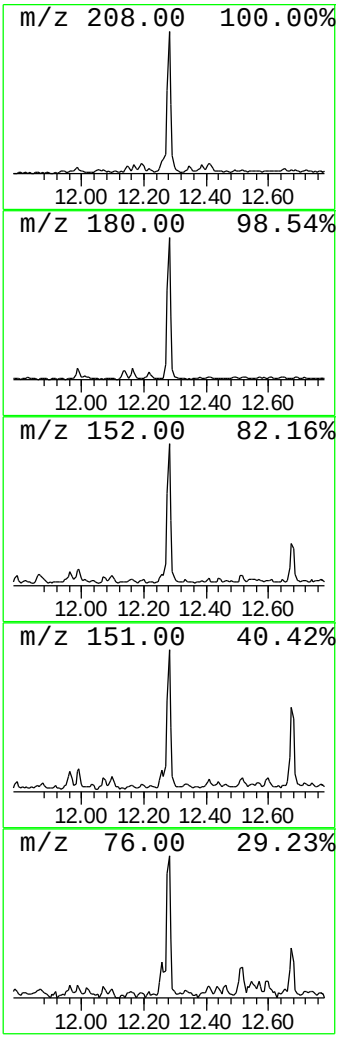
Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.71 ng	276304	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49





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ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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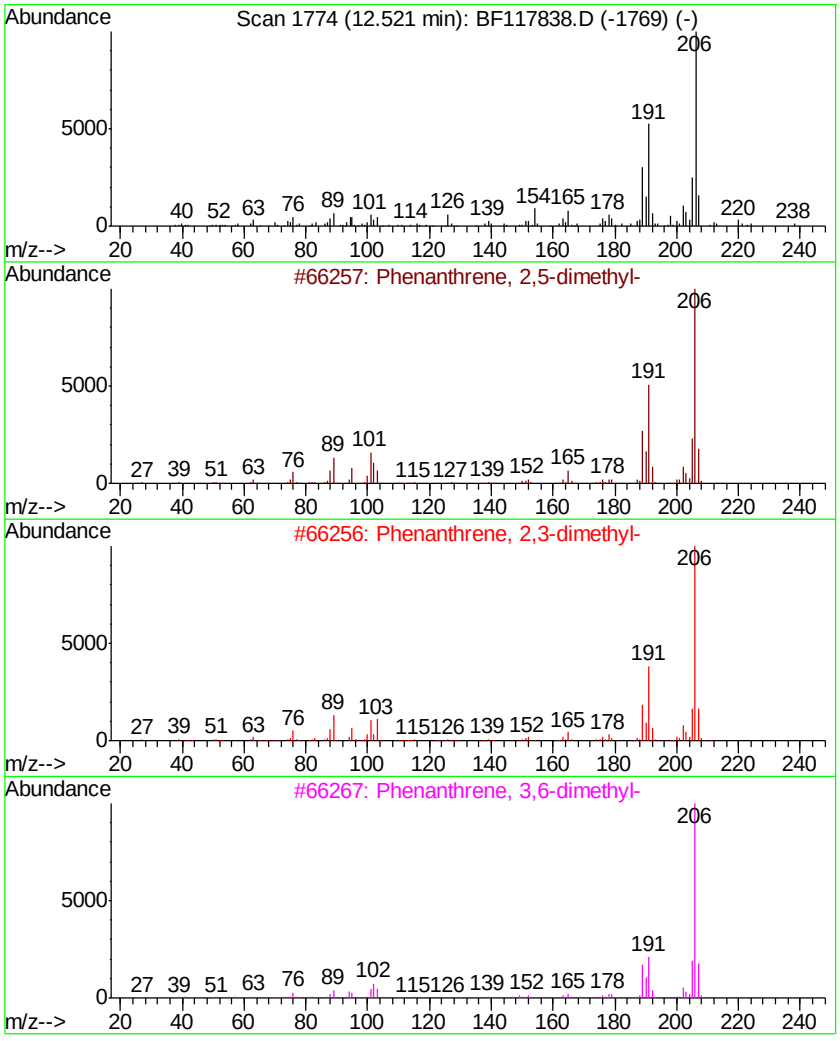
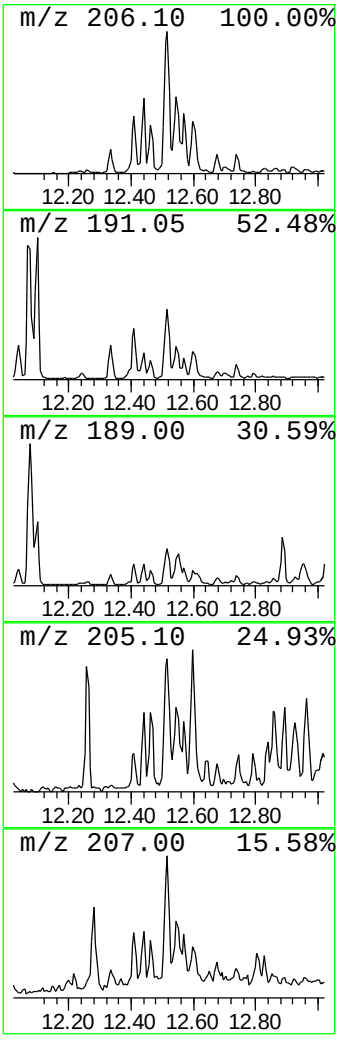
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.59 ng	264096	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





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Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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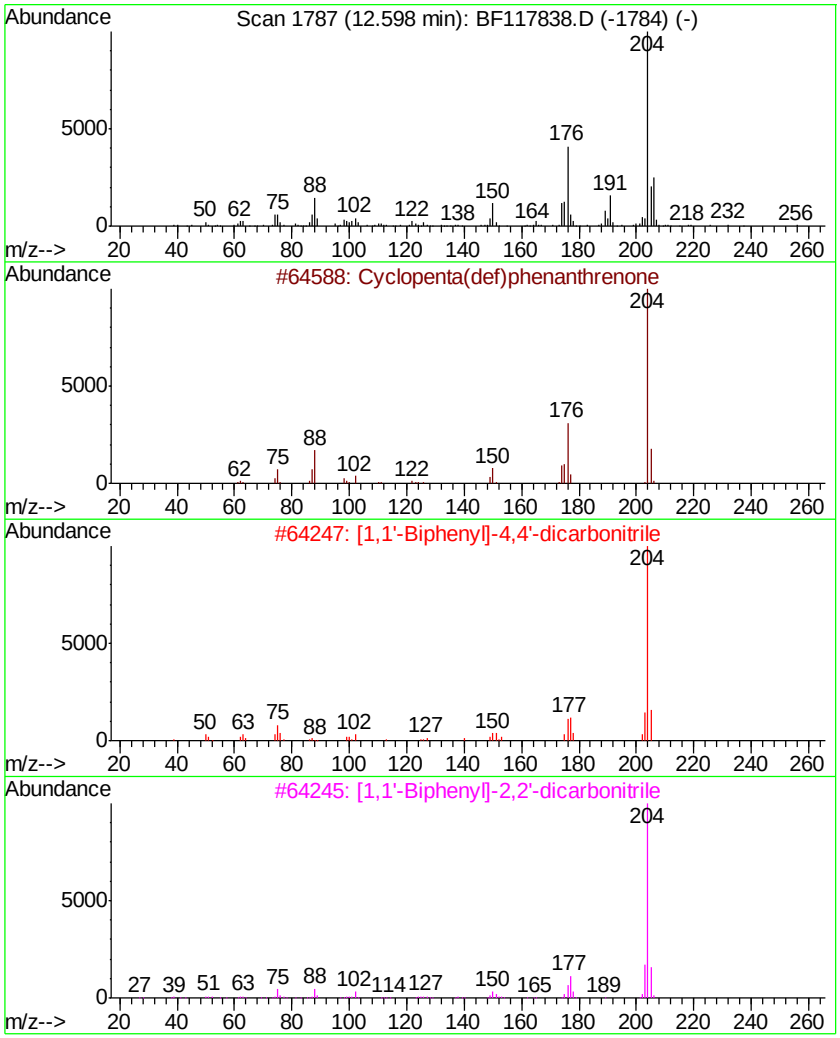
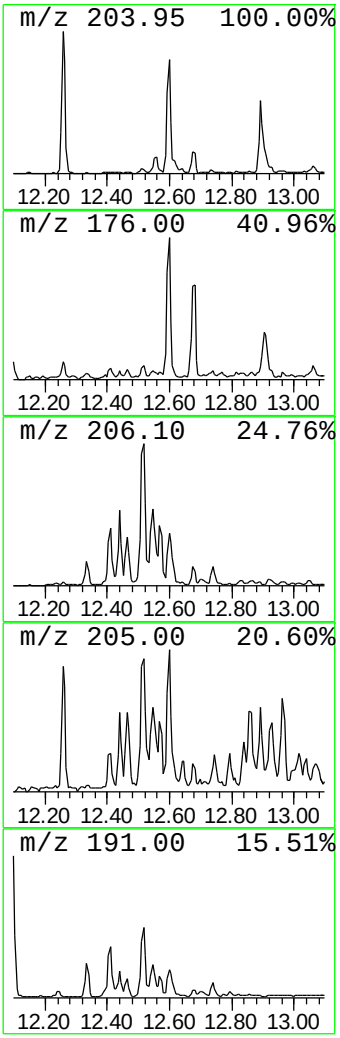
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.47 ng	252125	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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Misc :
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ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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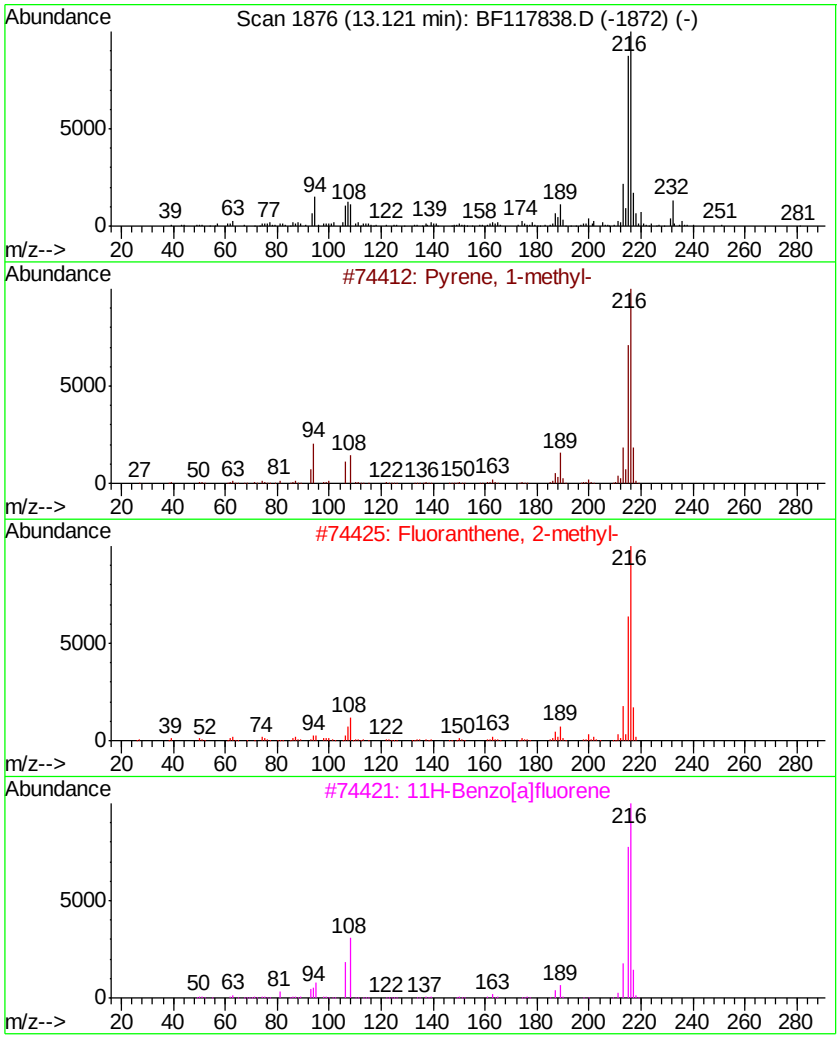
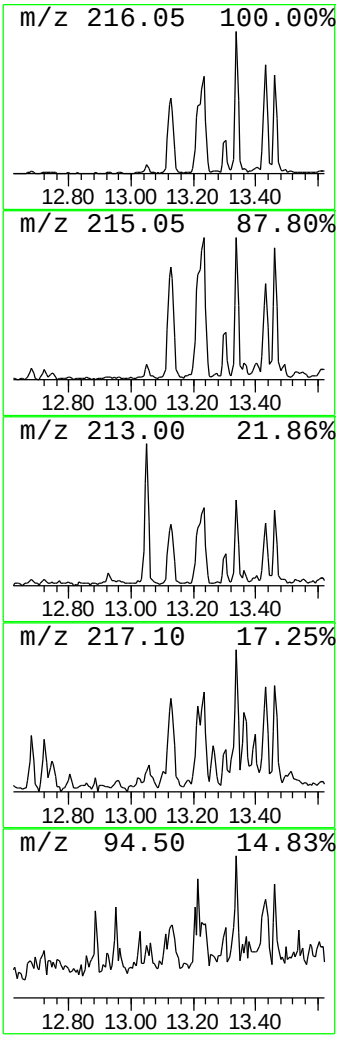
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.42 ng	277139	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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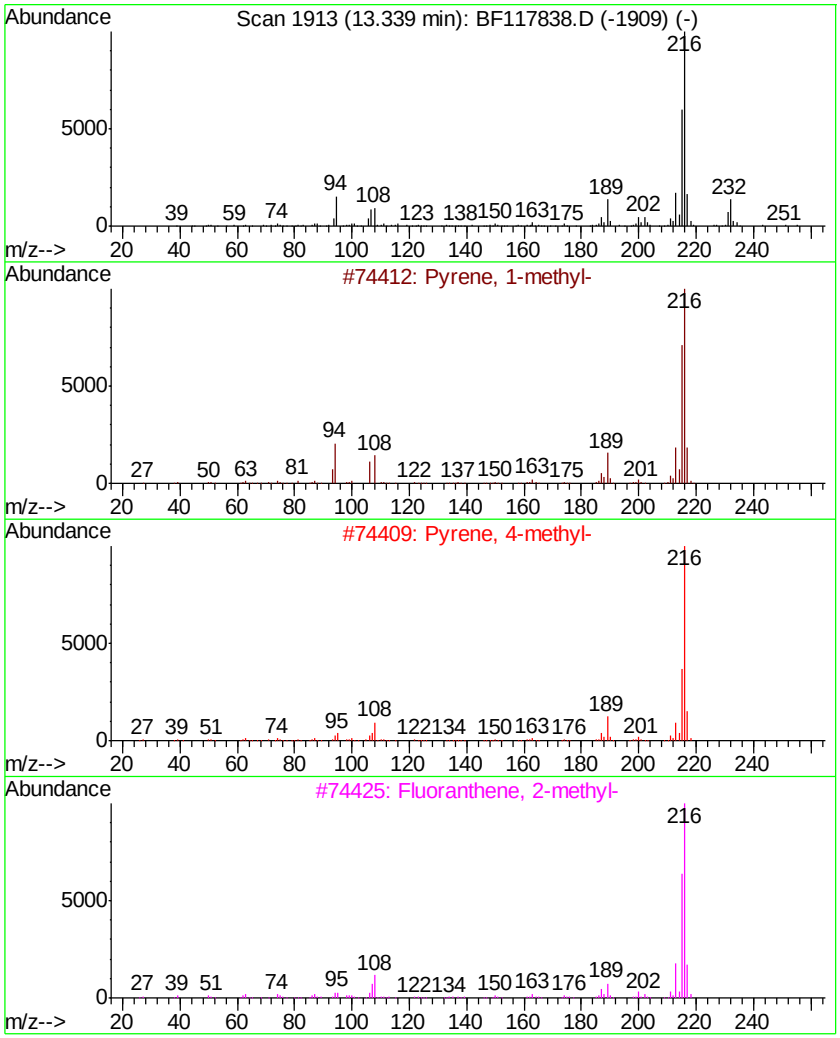
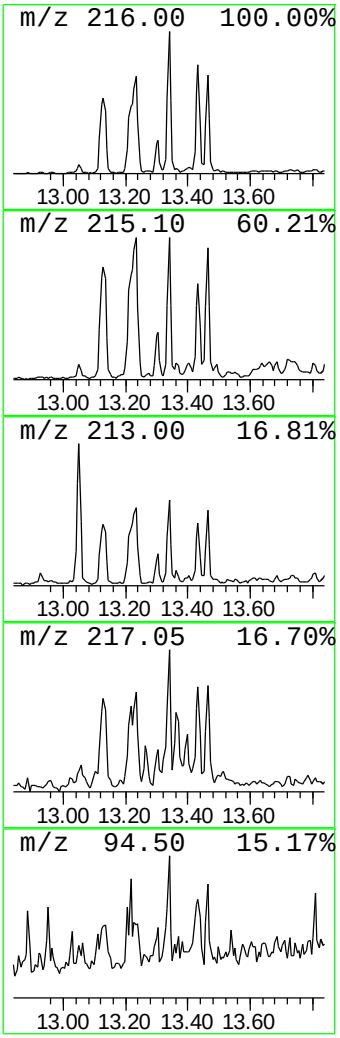
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.27 ng	259261	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
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Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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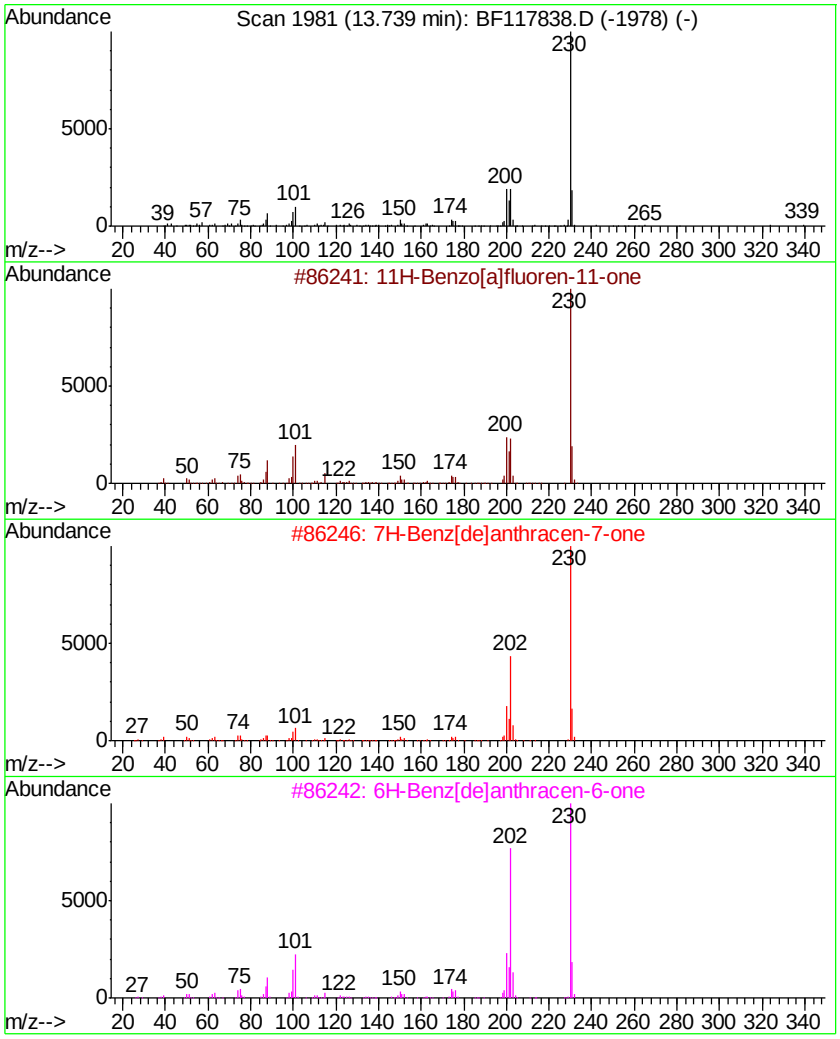
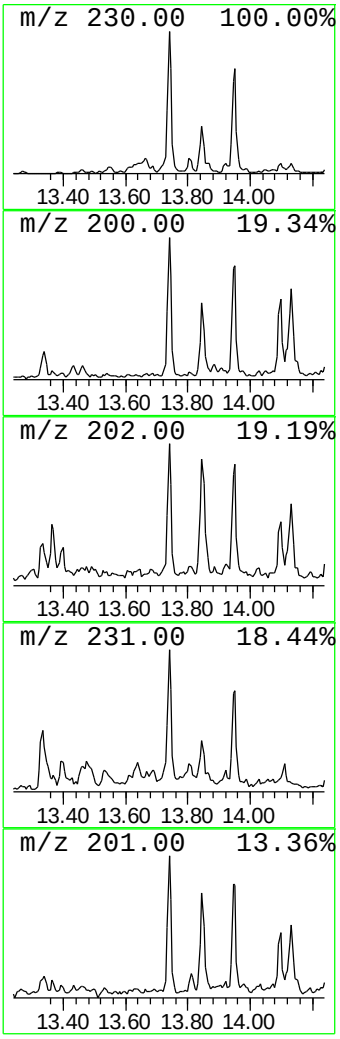
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.47 ng	281874	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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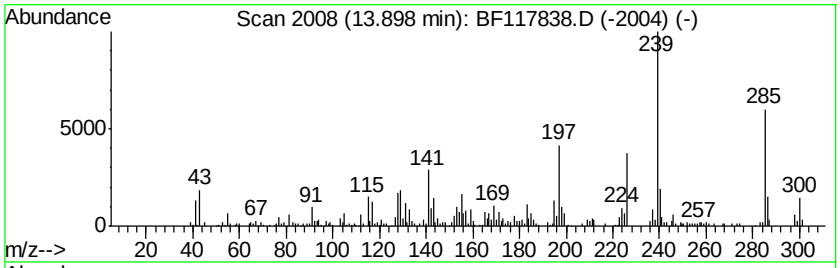
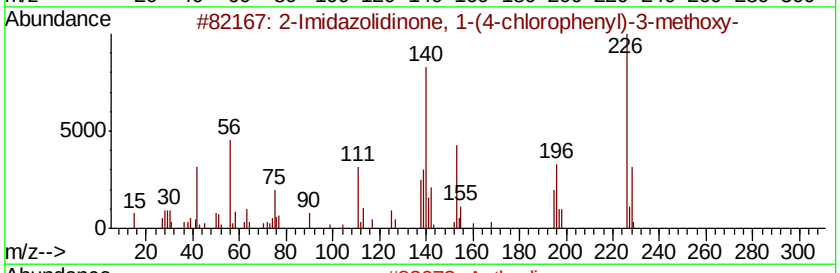
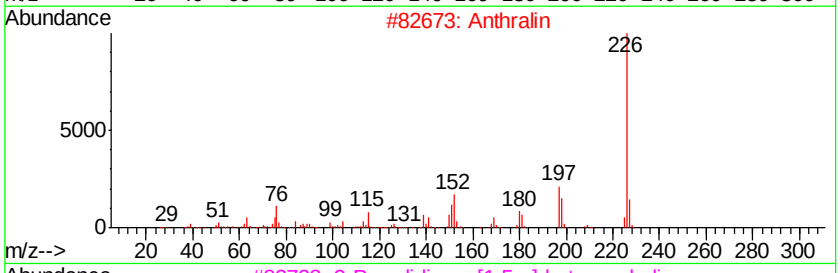
Peak Number 16 unknown13.90 Concentration Rank 9

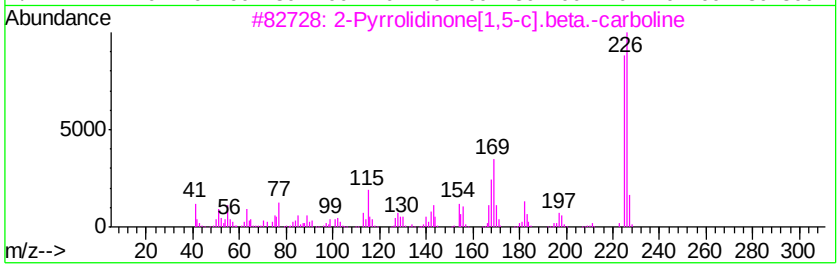
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	3.85 ng	439713	Chrysene-d12	14.11

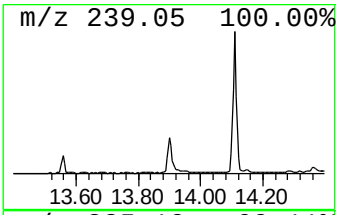
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Imidazolidinone, 1-(4-chloroph...	226	C10H11ClN2O2	052420-34-5	42
2	Anthralin	226	C14H10O3	001143-38-0	35
3	2-Pyrrolidinone[1,5-cl.beta.-car...	226	C14H14N2O	032283-51-5	30
4	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	25
5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	25

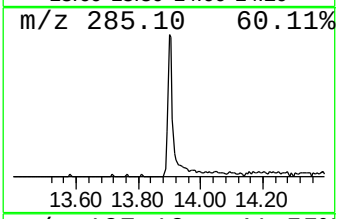


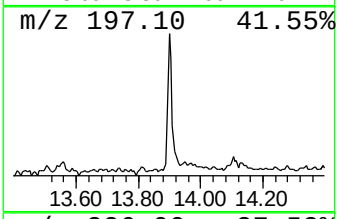


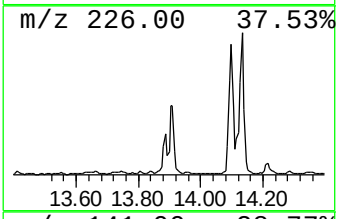


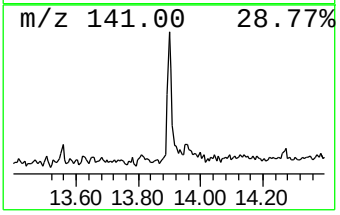












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Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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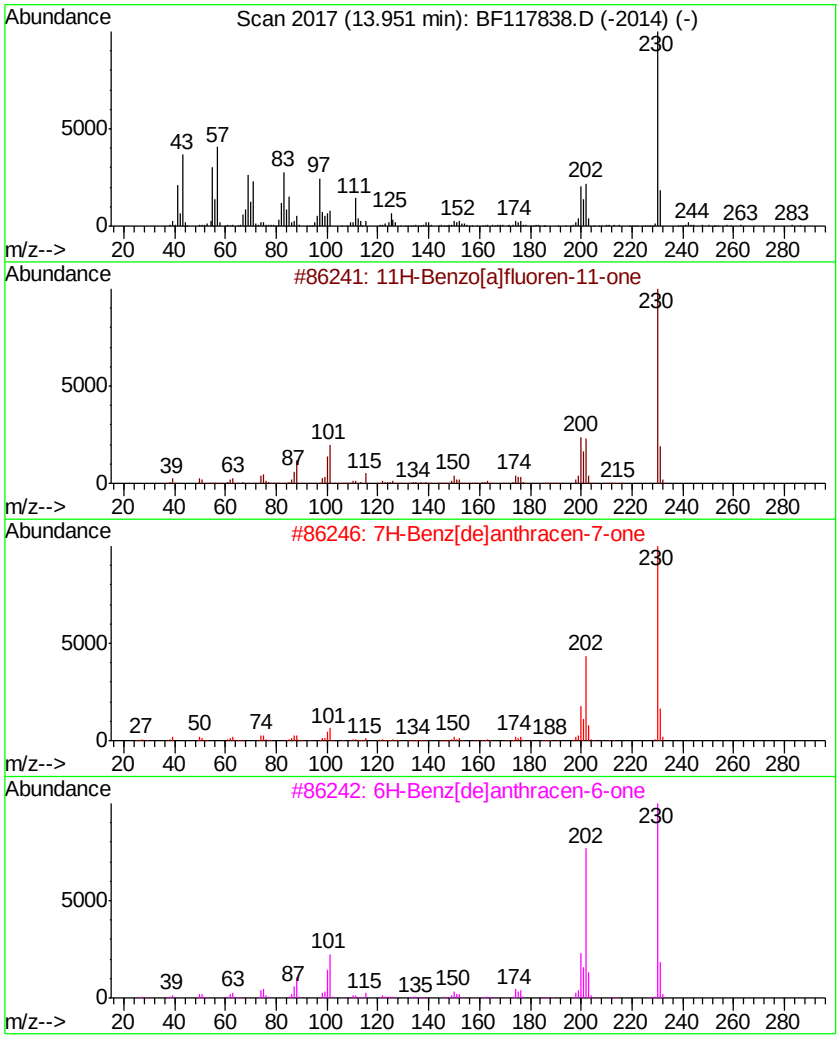
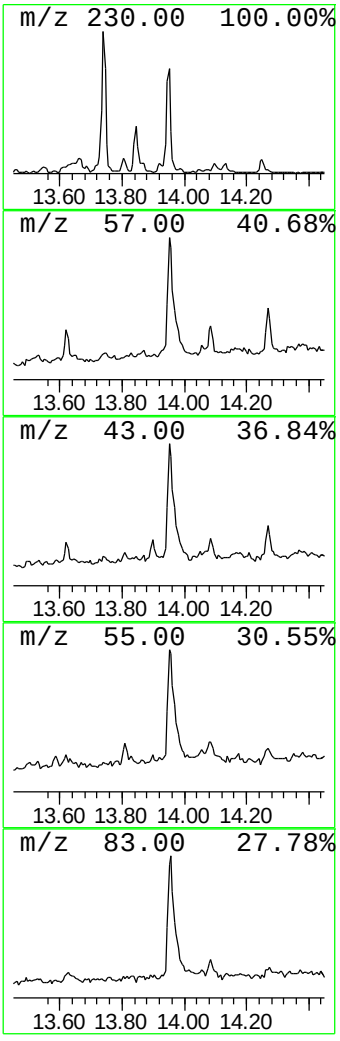
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.94 ng	565276	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	43
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	38
5	o-Terphenyl	230	C18H14	000084-15-1	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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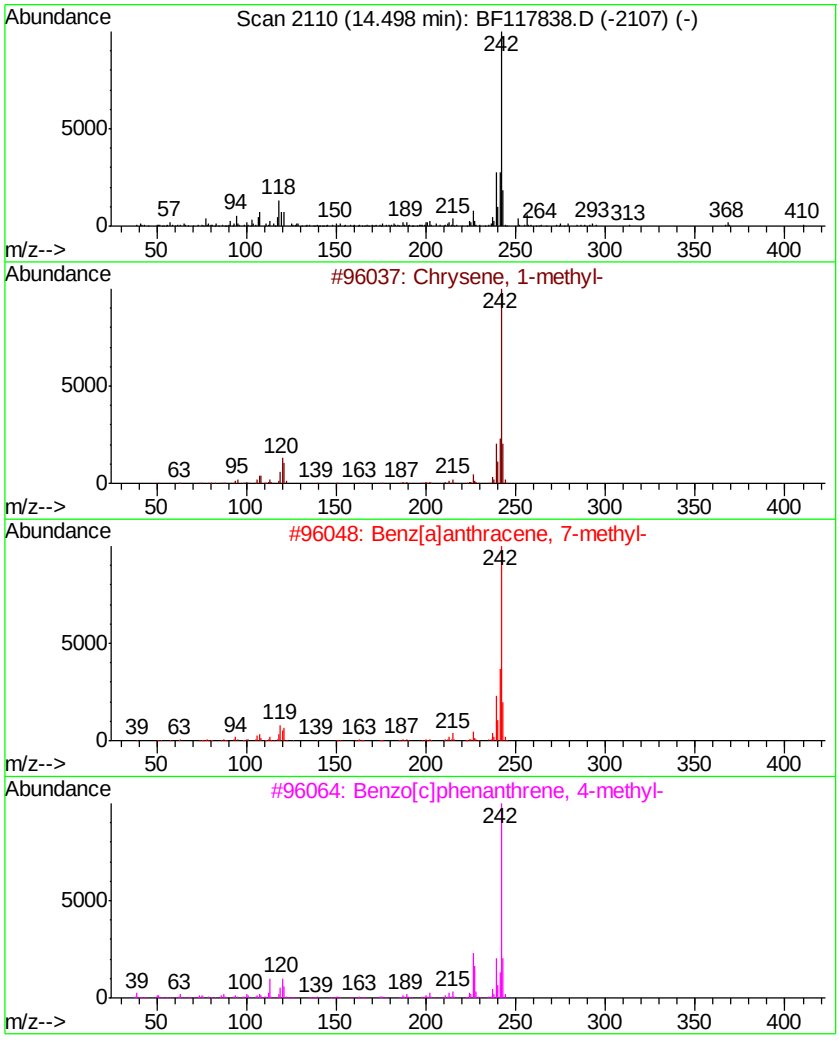
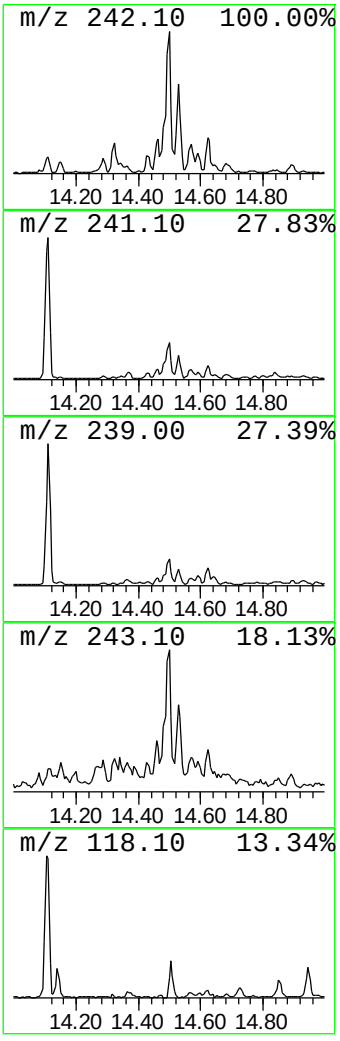
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.52 ng	288294	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
3	Benzo[c]phenanthrene, 4-methyl-	242	C19H14	004076-40-8	83
4	Benzo[c]phenanthrene, 3-methyl-	242	C19H14	002381-19-3	78
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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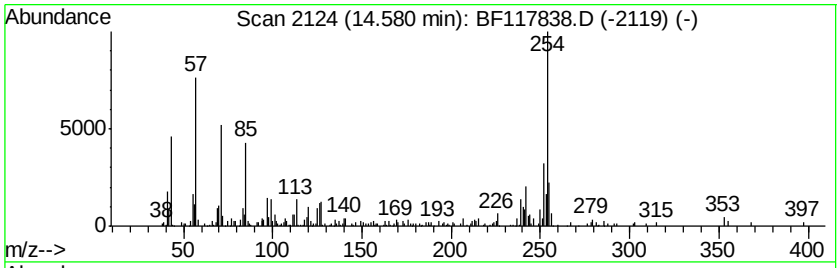
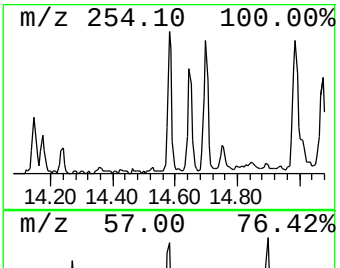
Peak Number 19 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	2.78 ng	317644	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Octadecane	254	C18H38	000593-45-3	49
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	46
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	42
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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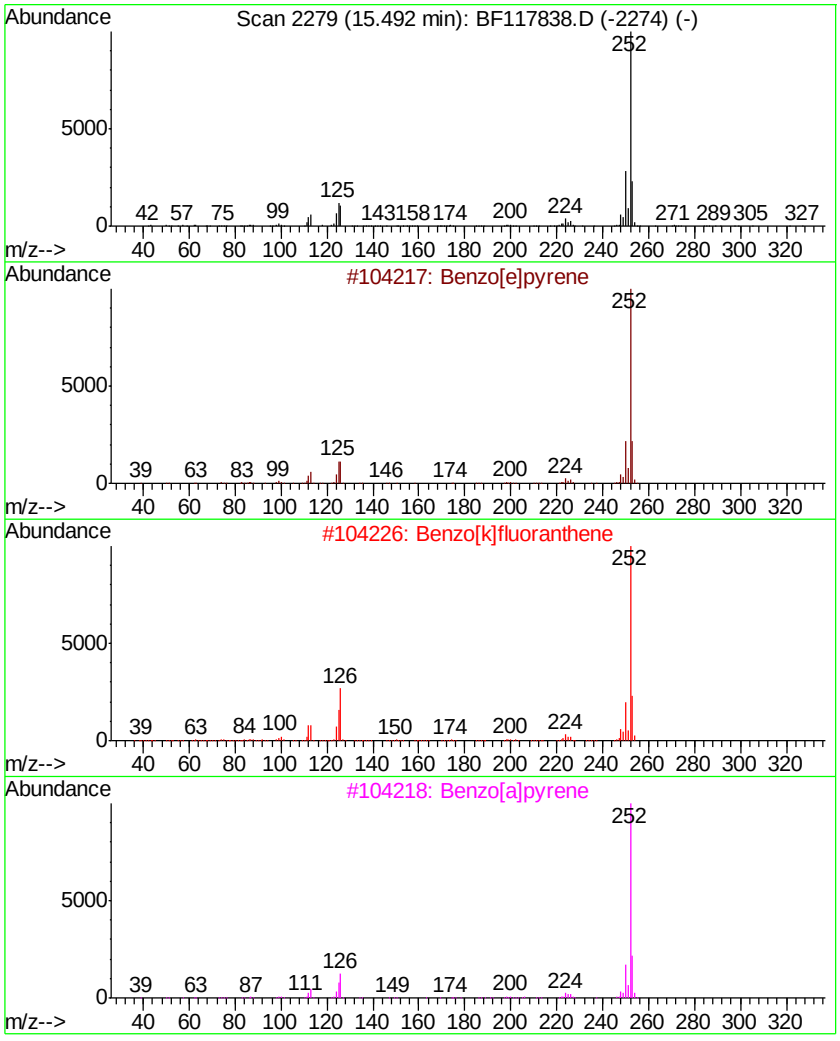
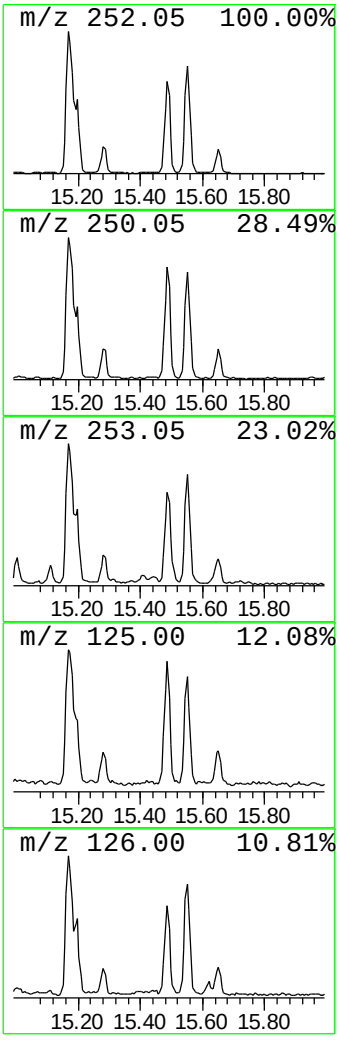
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	6.76 ng	544819	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111819\
Data File : BF117838.D
Acq On : 18 Nov 2019 16:35
Operator : JU
Sample : K5833-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.21	15.7	ng	1051540	1	6.92	1340360	20.0
2-Pentanone, 4-hy...	5.13	14.3	ng	960821	1	6.92	1340360	20.0
unknown6.69	6.69	70.6	ng	4733060	1	6.92	1340360	20.0
Phenanthrene, 2-m...	11.96	3.7	ng	380336	4	11.46	2042220	20.0
Anthracene, 1-met...	11.99	9.9	ng	1015840	4	11.46	2042220	20.0
1H-Cyclopropa[l]p...	12.07	4.6	ng	468829	4	11.46	2042220	20.0
Phenanthrene, 4-m...	12.10	2.5	ng	255911	4	11.46	2042220	20.0
Naphthalene, 2-ph...	12.26	2.3	ng	231641	4	11.46	2042220	20.0
9,10-Anthracenedione	12.28	2.7	ng	276304	4	11.46	2042220	20.0
Phenanthrene, 2,5...	12.52	2.6	ng	264096	4	11.46	2042220	20.0
Cyclopenta(def)ph...	12.60	2.5	ng	252125	4	11.46	2042220	20.0
Pyrene, 1-methyl-	13.12	2.4	ng	277139	5	14.11	2287010	20.0
Pyrene, 4-methyl-	13.34	2.3	ng	259261	5	14.11	2287010	20.0
7H-Benz[de]anthra...	13.74	2.5	ng	281874	5	14.11	2287010	20.0
unknown13.90	13.90	3.9	ng	439713	5	14.11	2287010	20.0
11H-Benzo[a]fluor...	13.95	4.9	ng	565276	5	14.11	2287010	20.0
Chrysene, 1-methyl-	14.50	2.5	ng	288294	5	14.11	2287010	20.0
Hexadecane	14.58	2.8	ng	317644	5	14.11	2287010	20.0
Benzo[e]pyrene	15.49	6.8	ng	544819	6	15.62	1611330	20.0