LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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	2.181	11	16	23	rVB	977195	1354946	19.91%	1.696%
2	4.516	408	413	420	rBV	1117207	1225494	18.01%	1.534%
3	5.134	508	518	521	rBV	2416823	2764788	40.64%	3.462%
4	5.528	580	585	588	rBV	3311396	2978766	43.78%	3.730%
5	6.539	751	757	761	rBV	5153954	5425684	79.75%	6.793%
6	6.687	777	782	785	rBV	5062262	4538330	66.70%	5.682%
7	6.916	818	821	825	rBV	1600190	1402626	20.62%	1.756%
8	7.075	844	848	852	rBV	5359410	4772940	70.15%	5.976%
9	7.481	907	917	920	rBV	4122951	3809651	55.99%	4.770%
10	8.204	1035	1040	1043	rBV	2200549	1856152	27.28%	2.324%
11	8.922	1159	1162	1165	rVB	97387	83781	1.23%	0.105%
12	9.022	1175	1179	1183	rBV	79844	79593	1.17%	0.100%
13	9.286	1219	1224	1227	rBV	7839845	6803748	100.00%	8.519%
14	9.363	1234	1237	1239	rBV	143977	132326	1.94%	0.166%
15	9.622	1276	1281	1283	rBV	124221	121829	1.79%	0.153%
16	9.675	1287	1290	1294	rVV	1267146	1062543	15.62%	1.330%
17	9.828	1313	1316	1320	rBV	339869	290214	4.27%	0.363%
18	9.898	1323	1328	1330	rVV	107279	115221	1.69%	0.144%
19	9.969	1336	1340	1343	rVV	2556228	2090179	30.72%	2.617%
20	9.998	1343	1345	1348	rVB	126563	98631	1.45%	0.123%
21	10.127	1361	1367	1370	rBV6	42298	83032	1.22%	0.104%
22	10.169	1370	1374	1378	rVB	161534	159145	2.34%	0.199%
23	10.280	1390	1393	1396	rBV2	64709	76325	1.12%	0.096%
24	10.398	1410	1413	1415	rVB	177560	146465	2.15%	0.183%
25	10.516	1429	1433	1438	rBV2	114019	143731	2.11%	0.180%
26	10.622	1446	1451	1455	rBV3	100387	134389	1.98%	0.168%
27	10.751	1469	1473	1478	rBV	1237626	1135849	16.69%	1.422%
28	10.886	1488	1496	1499	rVB4	247957	413438	6.08%	0.518%
29	11.257	1557	1559	1564	rVB2	125573	119803	1.76%	0.150%
30	11.322	1567	1570	1573	rVV	269177	270362	3.97%	0.339%
31	11.357	1573	1576	1581	rVB	202959	221696	3.26%	0.278%
32	11.457	1590	1593	1596	rBV	2275664	2229172	32.76%	2.791%
33	11.480	1596	1597	1601	rVV	1412028	1062714	15.62%	1.331%
34	11.533	1603	1606	1609	rVV	457419	396178	5.82%	0.496%

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Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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

35	11.569	1609	1612	1615	rVB2	99184	112781	1.66%	0.141%
36	11.686	1629	1632	1634	rBV	169577	140501	2.07%	0.176%
37	11.751	1640	1643	1646	rVB2	237792	200968	2.95%	0.252%
38	11.863	1659	1662	1668	rVB3	119757	149007	2.19%	0.187%
39	11.963	1676	1679	1681	rBV	368975	317705	4.67%	0.398%
40	11.992	1681	1684	1686	rVB	441297	419996	6.17%	0.526%
41	12.074	1694	1698	1700	rBV2	425940	447610	6.58%	0.560%
42	12.098	1700	1702	1706	rVB	288550	234319	3.44%	0.293%
43	12.163	1710	1713	1716	rVB	191737	169388	2.49%	0.212%
44	12.257	1726	1729	1731	rBV	231844	191907	2.82%	0.240%
45	12.280	1731	1733	1737	rVB3	270794	260990	3.84%	0.327%
46	12.333	1740	1742	1748	rVB3	68937	76178	1.12%	0.095%
47	12.410	1752	1755	1757	rVB	147288	107048	1.57%	0.134%
48	12.439	1757	1760	1762	rBV2	139908	119418	1.76%	0.150%
49	12.516	1769	1773	1775	rBV	286988	289154	4.25%	0.362%
50	12.551	1775	1779	1781	rVV3	301934	307466	4.52%	0.385%
51	12.598	1784	1787	1792	rVB	229222	237099	3.48%	0.297%
52	12.674	1797	1800	1804	rVV	2340546	2174335	31.96%	2.722%
53	12.768	1814	1816	1819	rBV	144223	123890	1.82%	0.155%
54	12.804	1819	1822	1824	rBV2	80259	89401	1.31%	0.112%
55	12.910	1834	1840	1845	rBV	2362484	2816487	41.40%	3.526%
56	13.051	1860	1864	1871	rVB	6683763	6462208	94.98%	8.091%
57	13.121	1873	1876	1880	rBV2	236500	330251	4.85%	0.413%
58	13.210	1888	1891	1893	rBV3	184360	227792	3.35%	0.285%
59	13.233	1893	1895	1898	rVB	335729	277228	4.07%	0.347%
60	13.280	1901	1903	1905	rVV	129925	109769	1.61%	0.137%
61	13.304	1905	1907	1909	rVV	152274	123195	1.81%	0.154%
62	13.339	1910	1913	1916	rVB2	321221	300811	4.42%	0.377%
63	13.410	1921	1925	1927	rBV4	142524	229054	3.37%	0.287%
64	13.433	1927	1929	1931	rVV	241965	188519	2.77%	0.236%
65	13.463	1931	1934	1938	rVB	170280	149427	2.20%	0.187%
66	13.739	1978	1981	1986	rVB	435185	424191	6.23%	0.531%
67	13.857	1997	2001	2004	rBV2	196565	286174	4.21%	0.358%
68	13.886	2004	2006	2008	rBV	205713	192269	2.83%	0.241%
69	13.951	2013	2017	2020	rBV3	490922	655116	9.63%	0.820%
70	14.104	2038	2043	2046	rBV2	1971866	2887795	42.44%	3.616%
71	14.133	2046	2048	2054	rVB	1342465	1202181	17.67%	1.505%

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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(4-6)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.268	2069	2071	2073	rBV	160998	113929	1.67%	0.143%
73	14.498	2107	2110	2113	rVB2	307297	317952	4.67%	0.398%
74	14.527	2113	2115	2119	rVB2	253856	248657	3.65%	0.311%
75	15.068	2205	2207	2212	rVB4	173214	202563	2.98%	0.254%
76	15.174	2220	2225	2228	rBV	1217584	2033085	29.88%	2.546%
77	15.251	2236	2238	2241	rVV	180981	162529	2.39%	0.203%
78	15.280	2241	2243	2249	rVB	247466	261270	3.84%	0.327%
79	15.486	2274	2278	2284	rVB	762903	1073902	15.78%	1.345%
80	15.551	2285	2289	2294	rVV	820849	986926	14.51%	1.236%
81	15.621	2296	2301	2304	rVV	1408656	1883625	27.69%	2.358%
82	15.651	2304	2306	2313	rVB2	391093	515006	7.57%	0.645%
83	17.145	2555	2560	2566	rVB2	402073	731075	10.75%	0.915%
84	17.609	2634	2639	2650	rVB	329196	705964	10.38%	0.884%

Sum of corrected areas: 79867852

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
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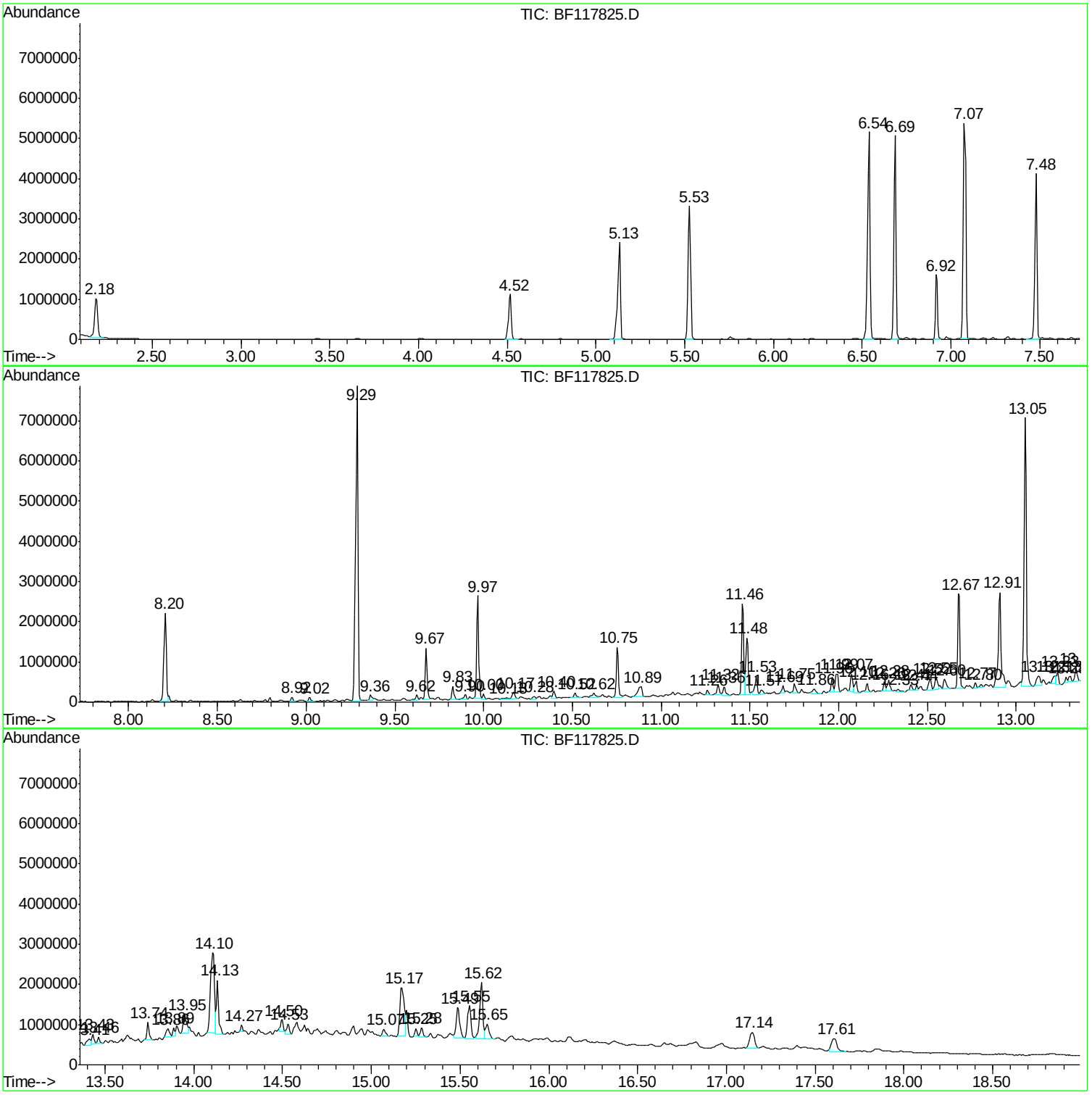
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
5-(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\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(4-6)

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

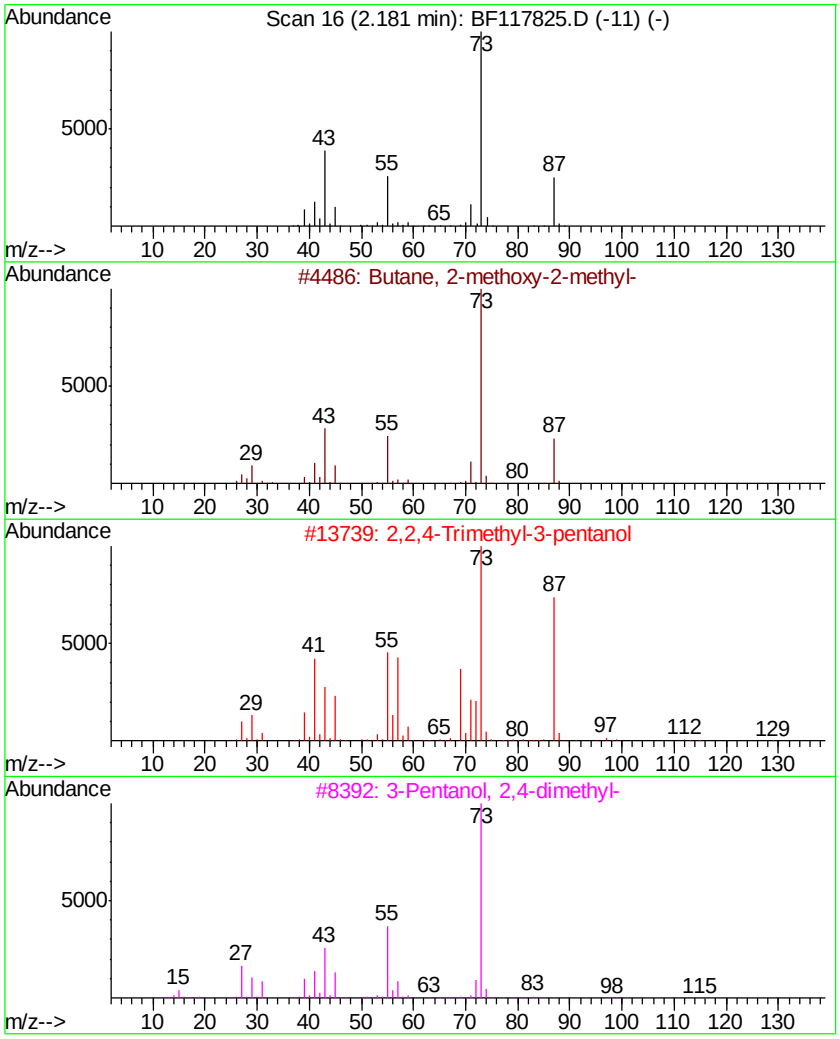
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

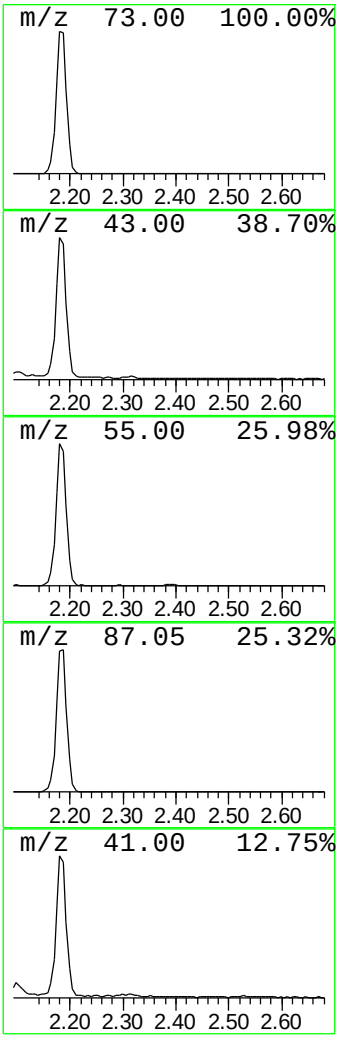
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	19.32 ng	1354950	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	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
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Sample : K5832-16
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(4-6)

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

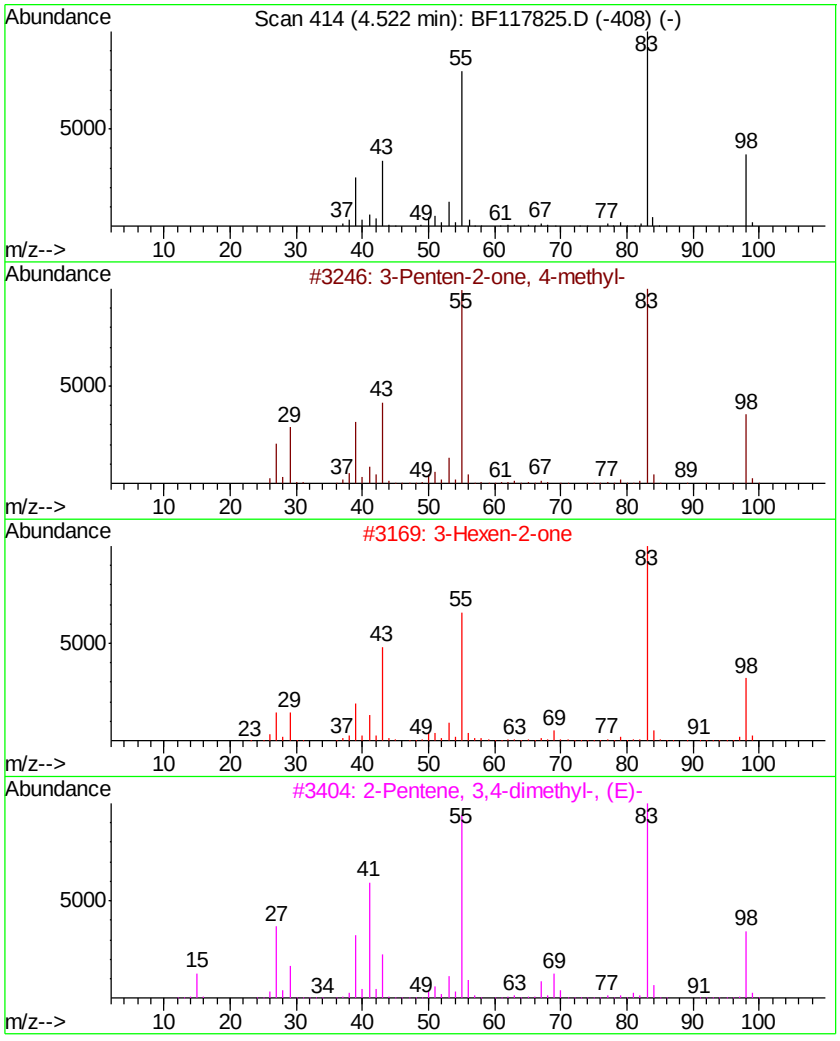
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

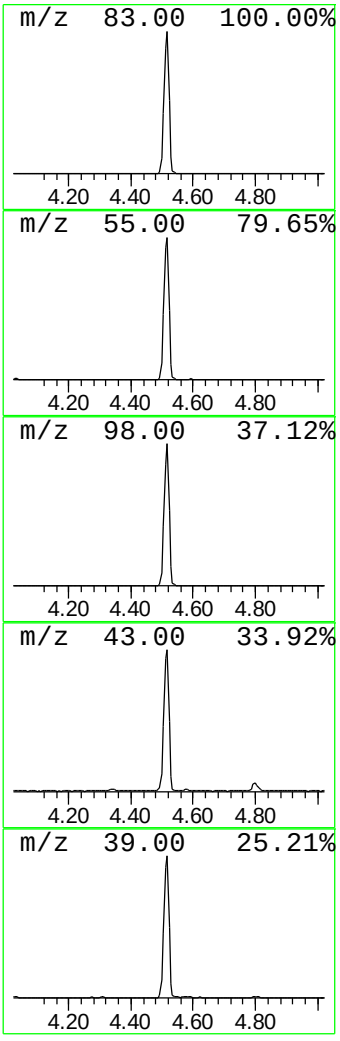
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.52	17.47 ng	1225490	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
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TIC Library : C:\DATABASE\NIST11.L
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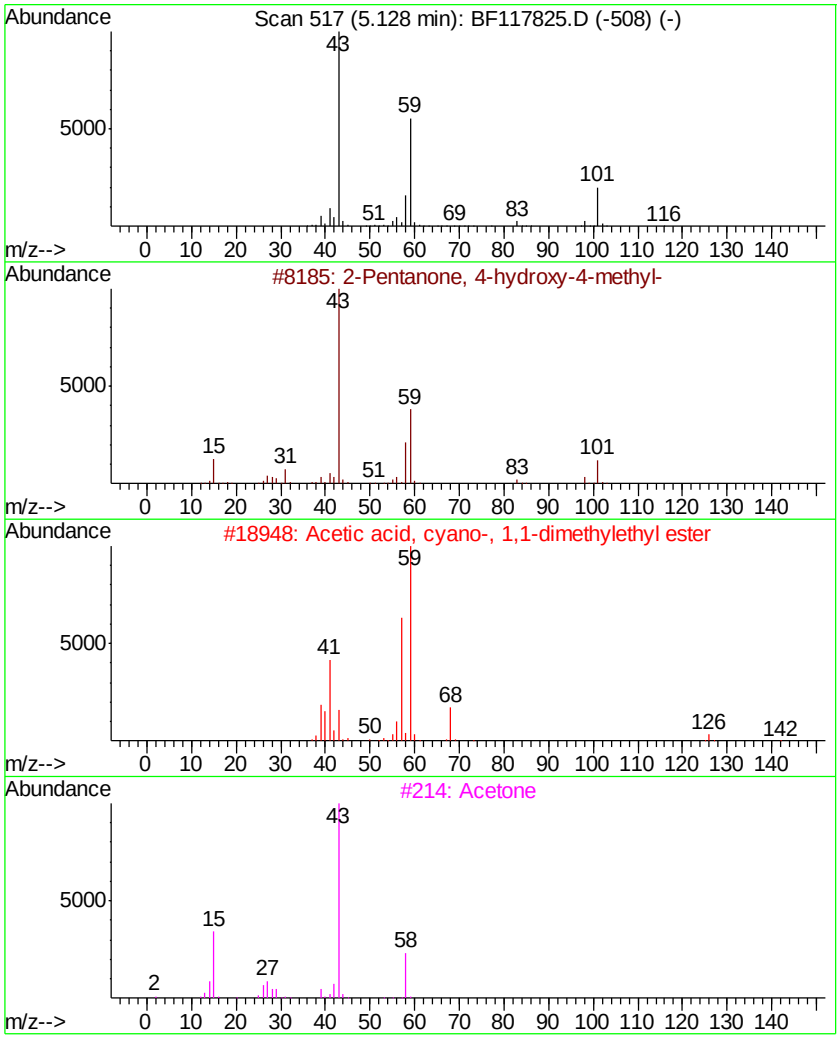
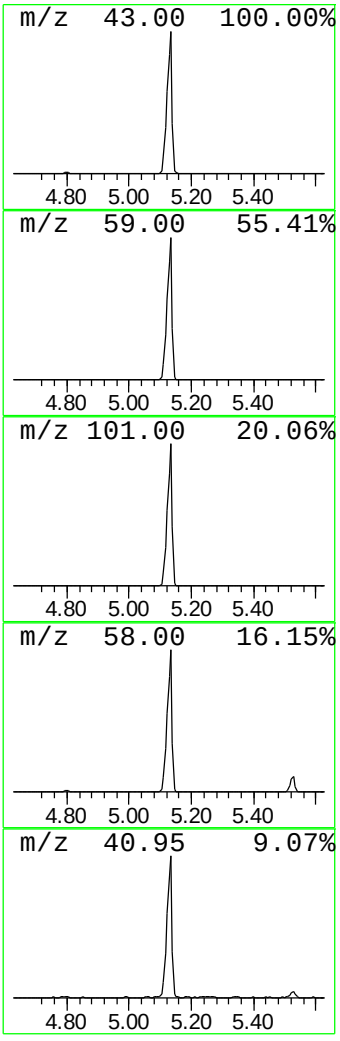
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	39.42 ng	2764790	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	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Acetone	58	C3H6O	000067-64-1	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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ClientSampleId : 5-(4-6)

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

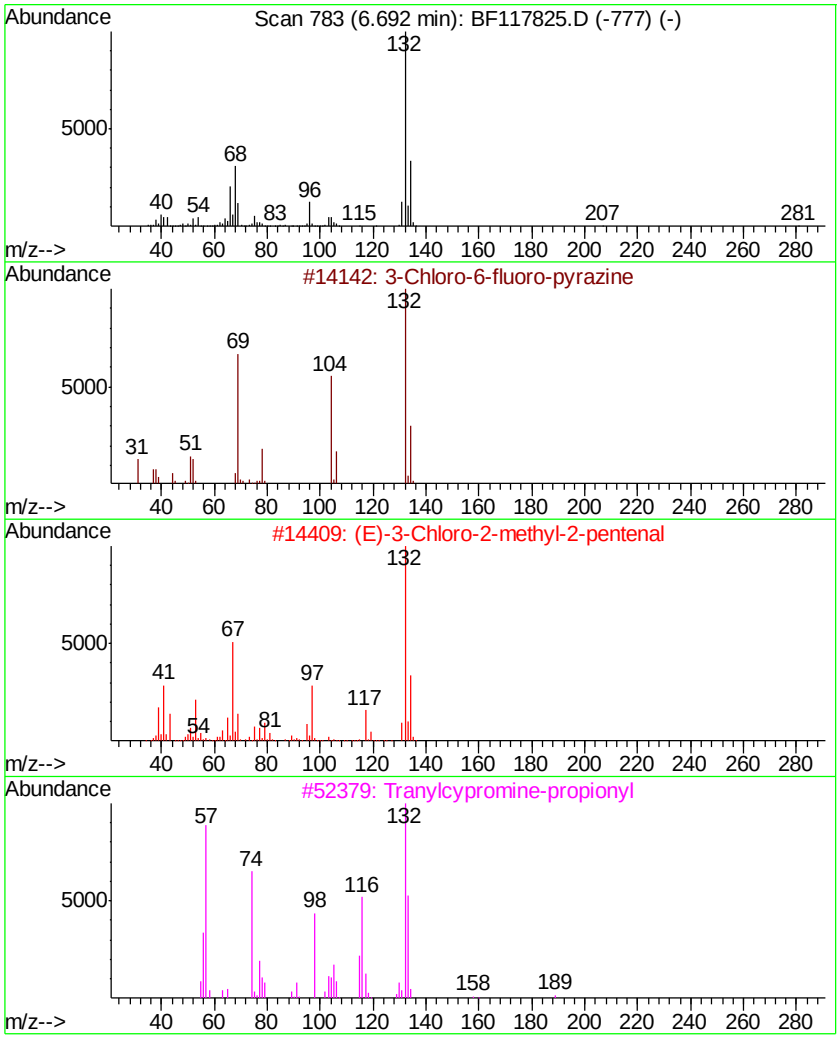
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

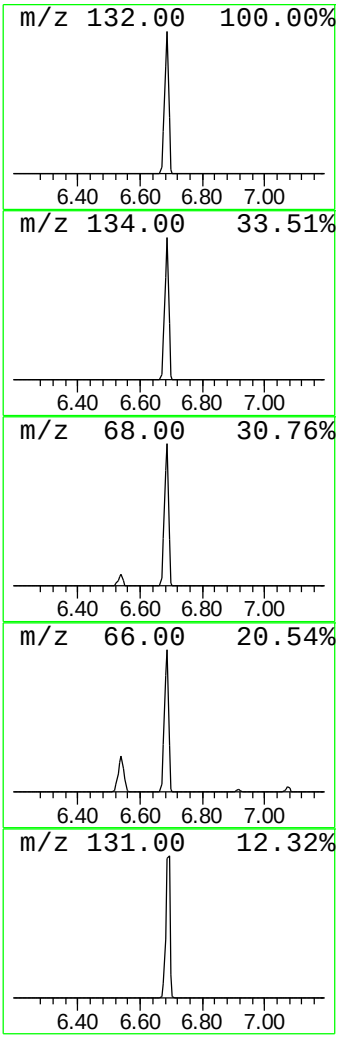
****

Peak Number 4 unknown6.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	64.71 ng	4538330	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(4-6)

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

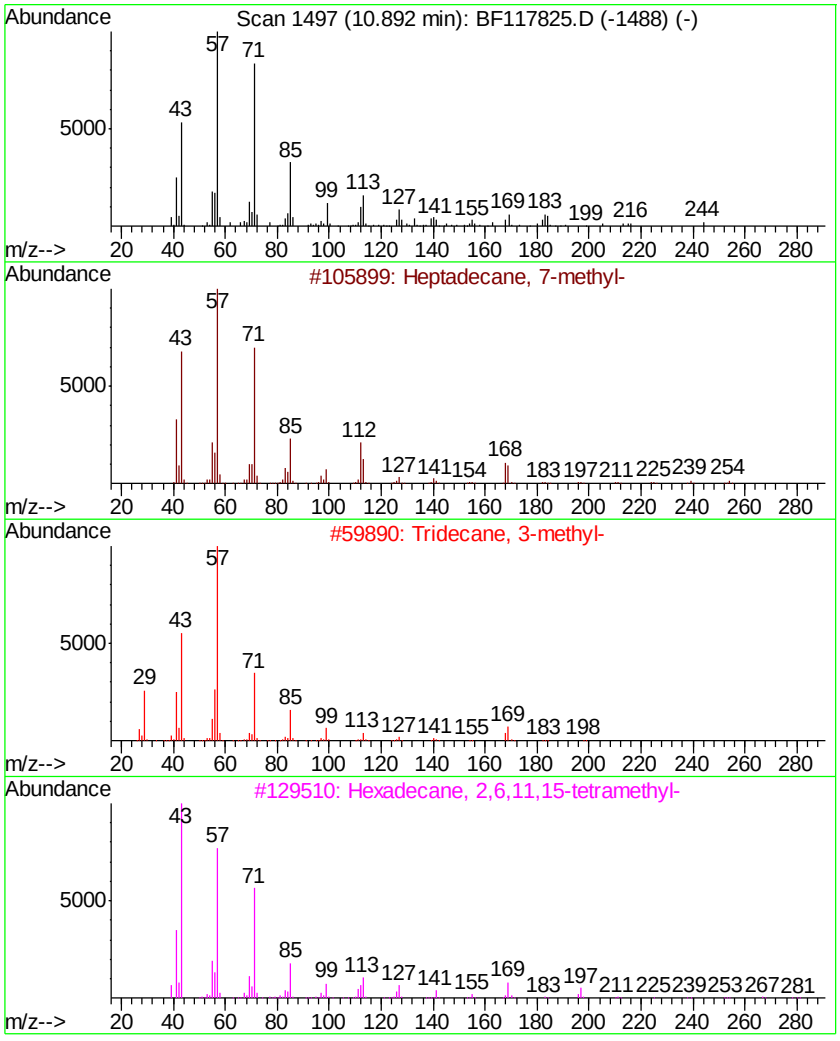
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

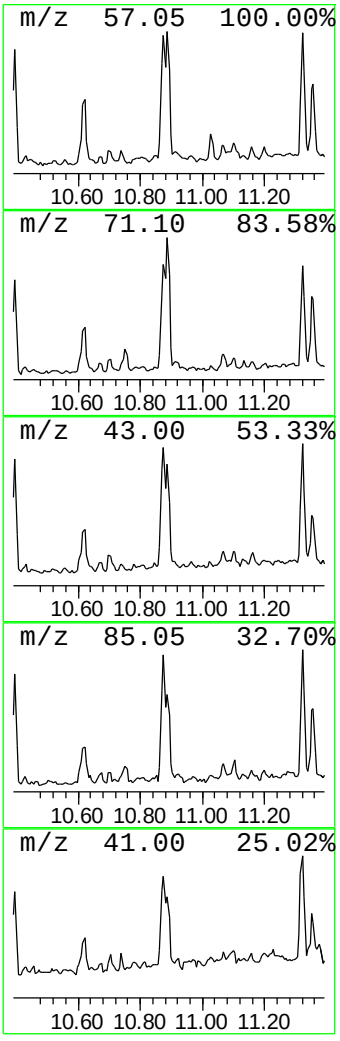
****

Peak Number 6 Heptadecane, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	3.71 ng	413438	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	76
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
4	Decane, 2-methyl-	156	C11H24	006975-98-0	70
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	70





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Misc :
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Instrument : BNA_F
ClientSampleId : 5-(4-6)

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

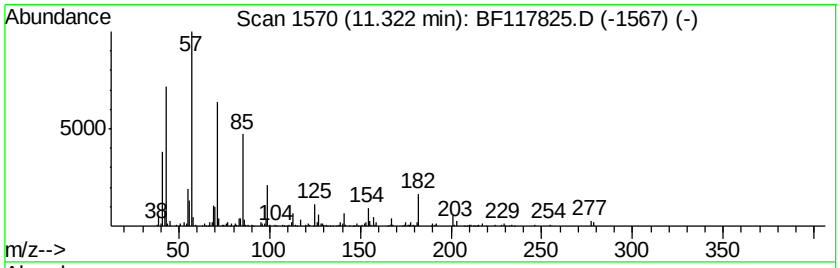
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

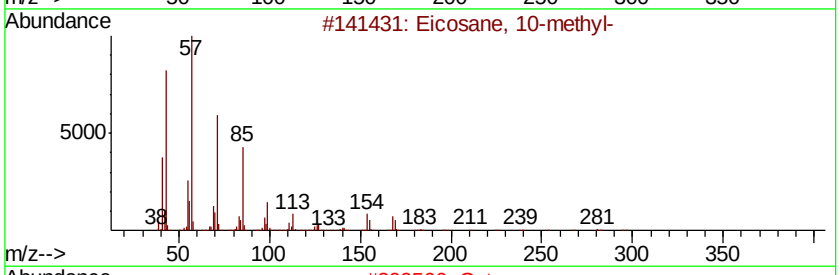
****

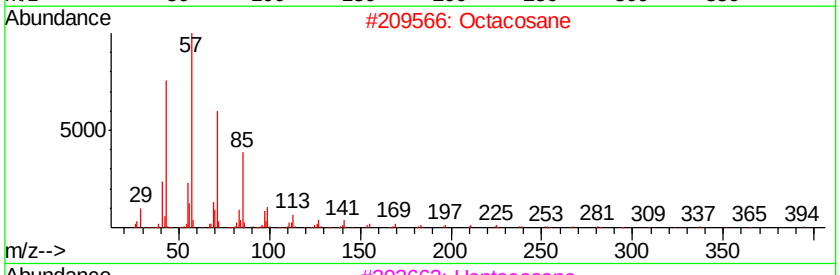
Peak Number 7 Eicosane, 10-methyl- Concentration Rank 16

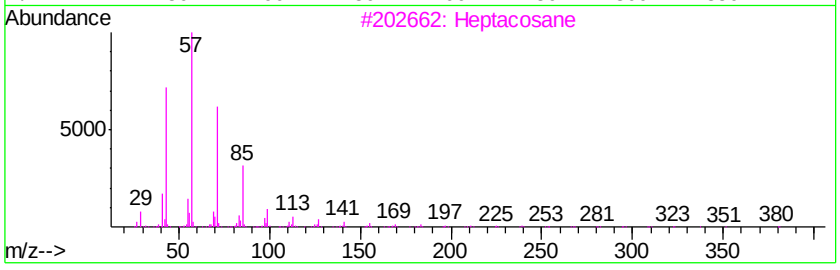
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	2.43 ng	270362	Phenanthrene-d10	11.46

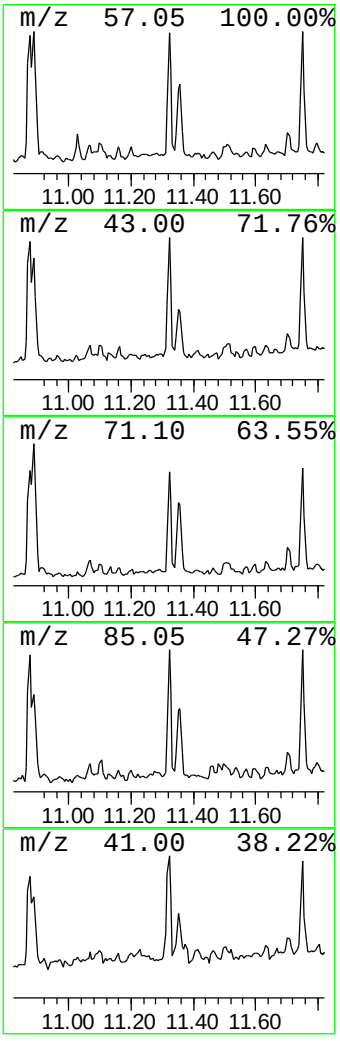
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
2	Octacosane	394	C28H58	000630-02-4	58
3	Heptacosane	380	C27H56	000593-49-7	58
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	52
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	52











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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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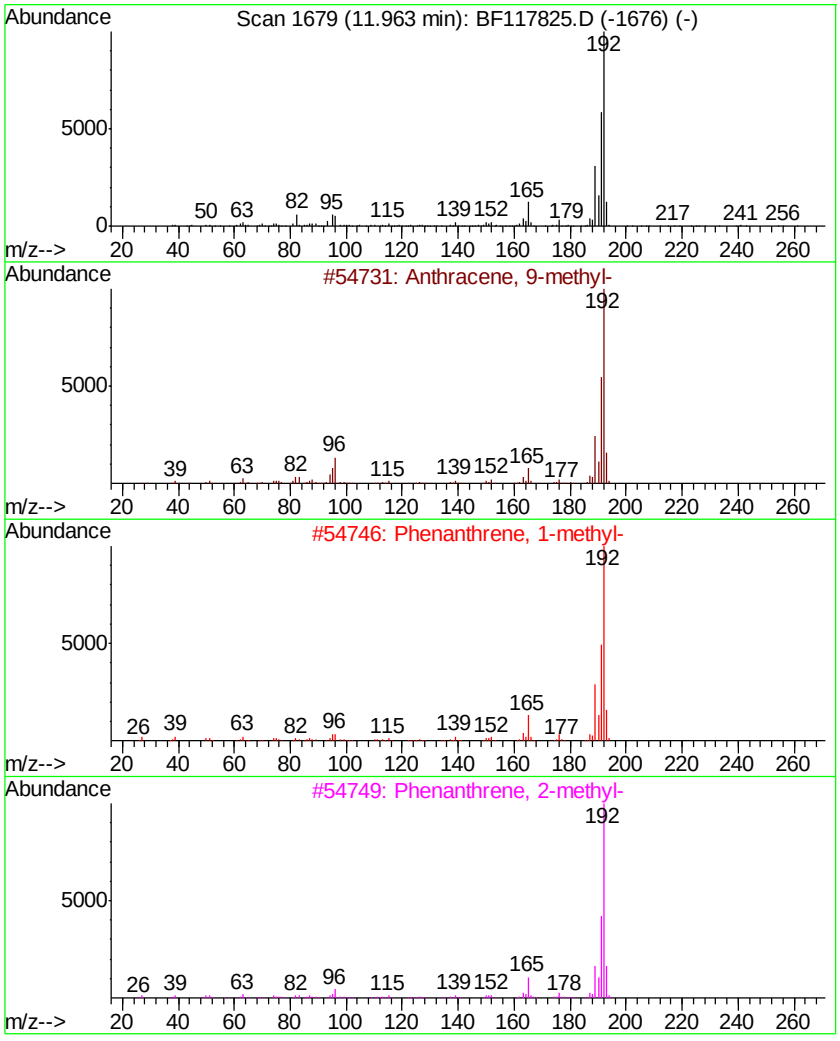
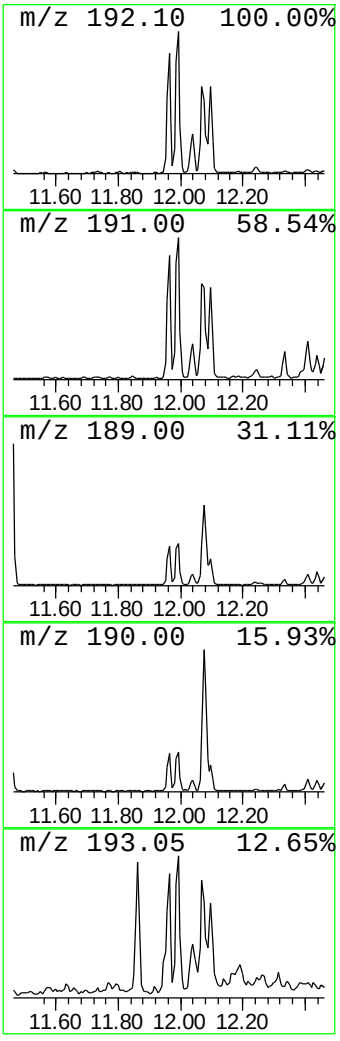
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.85 ng	317705	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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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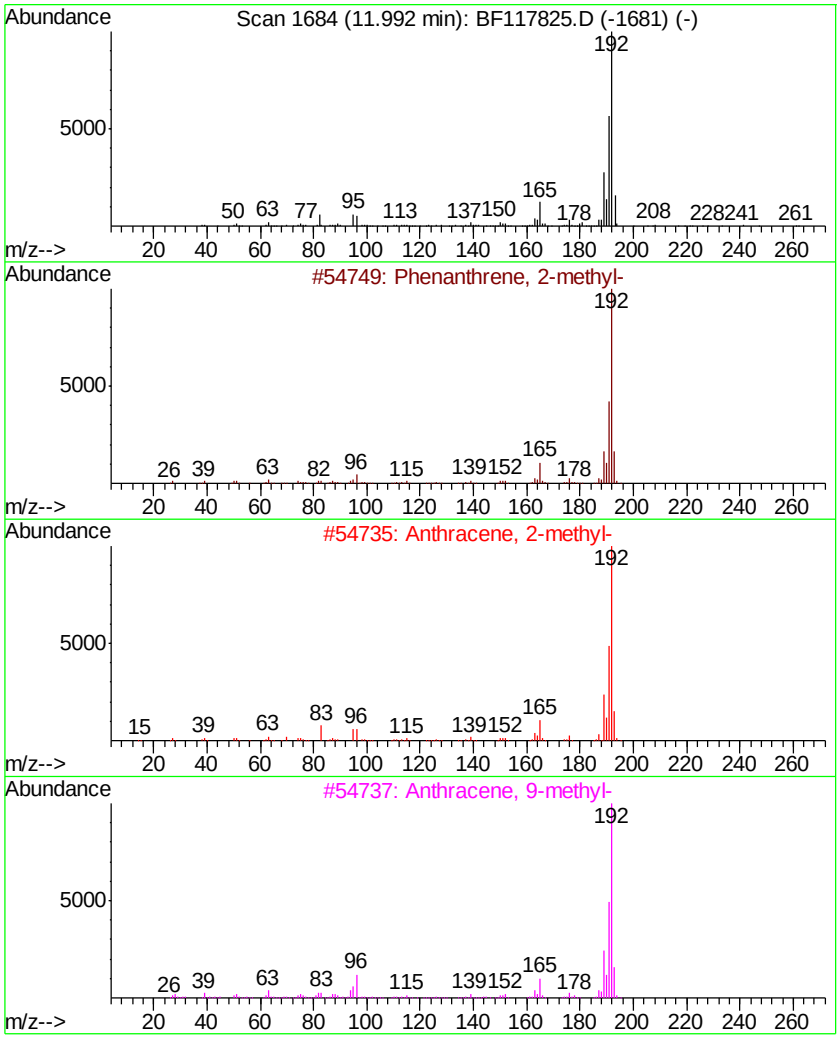
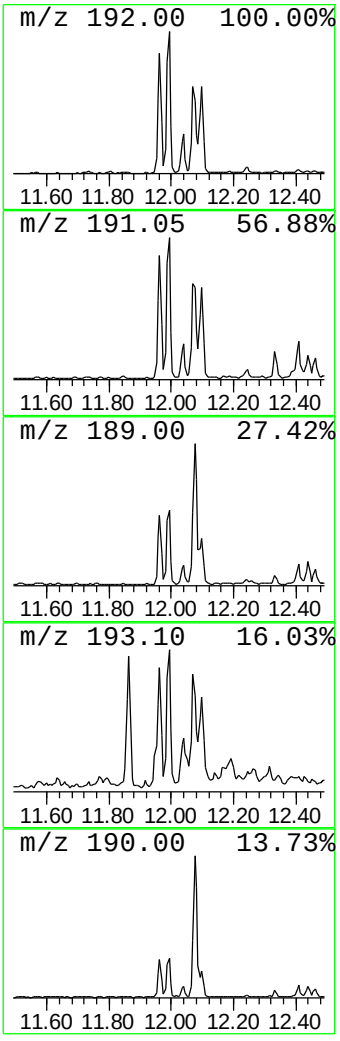
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.77 ng	419996	Phenanthrene-d10	11.46

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	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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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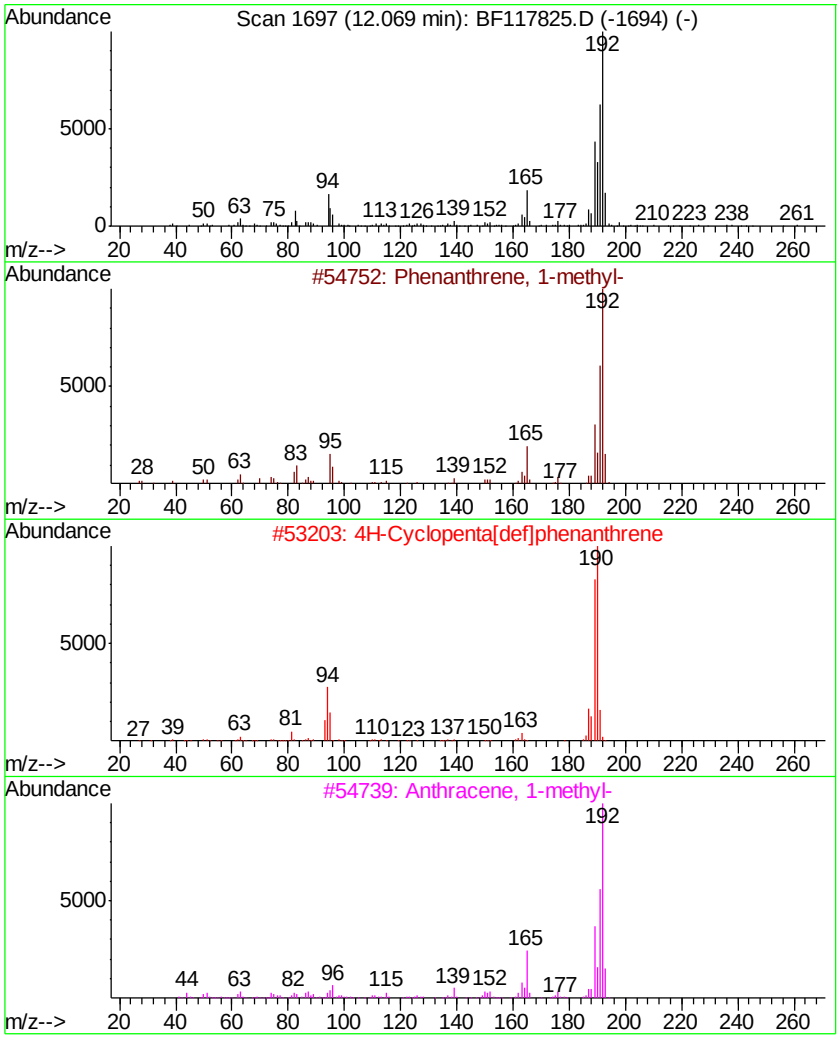
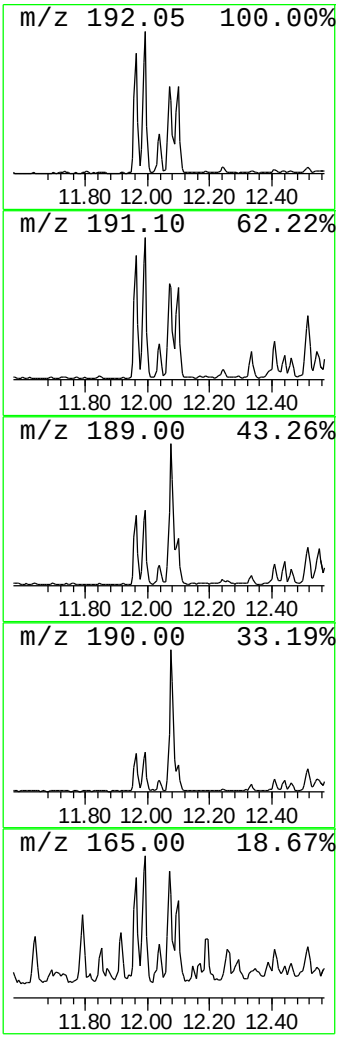
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.02 ng	447610	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46





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Sample : K5832-16
Misc :
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Instrument : BNA_F
ClientSampleId : 5-(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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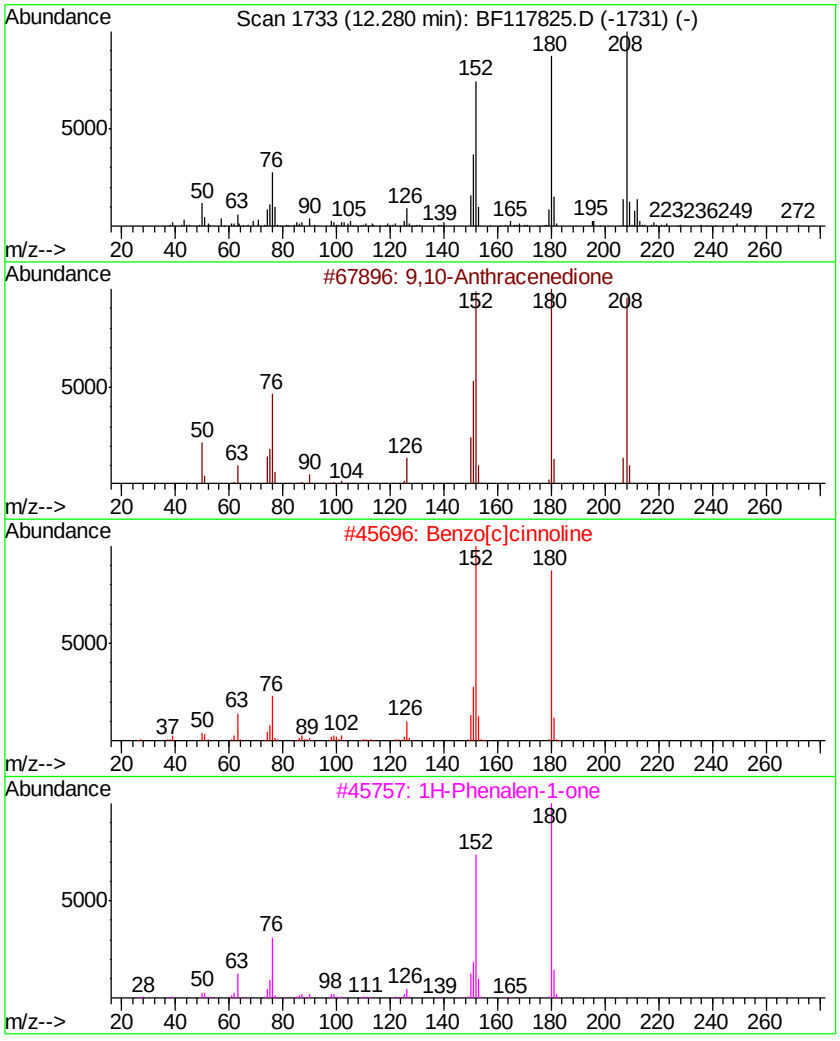
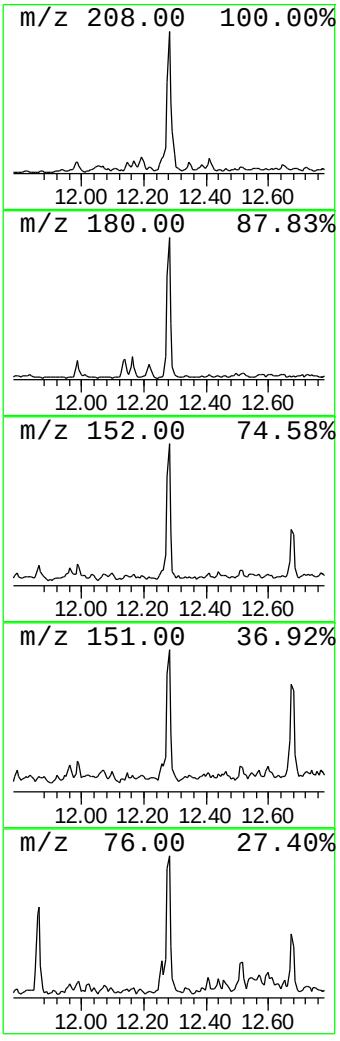
Peak Number 11 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.34 ng	260990	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	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	50





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Operator : JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
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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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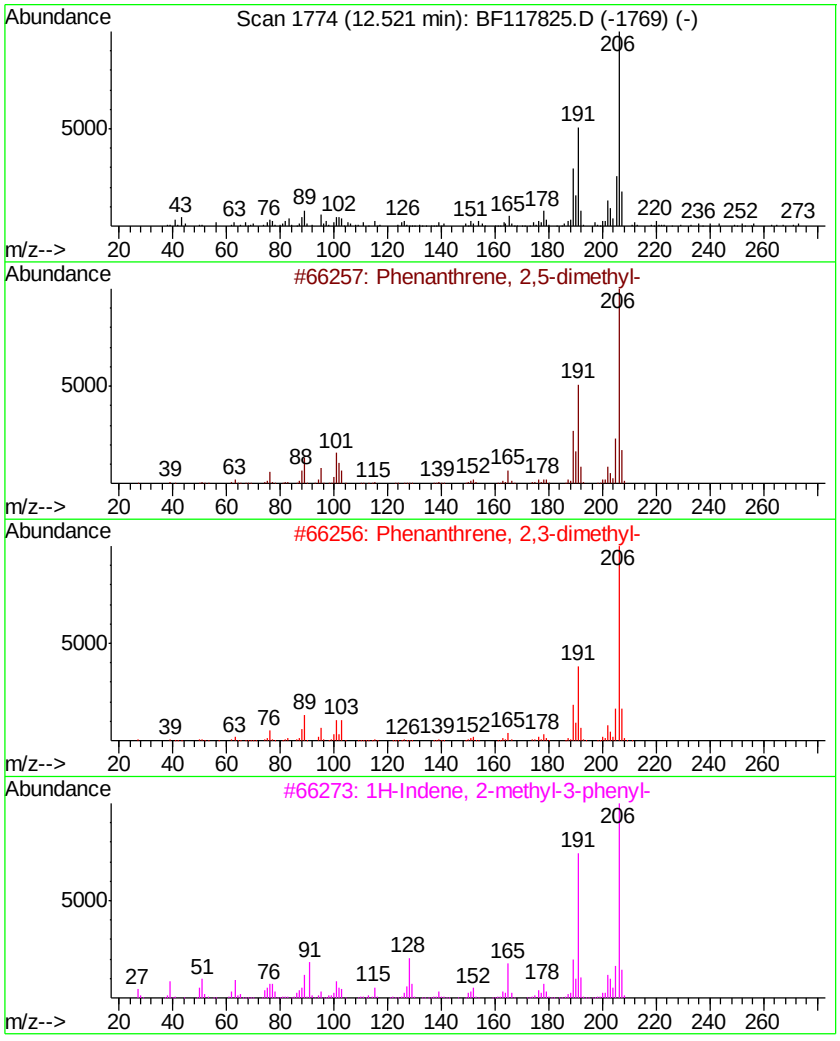
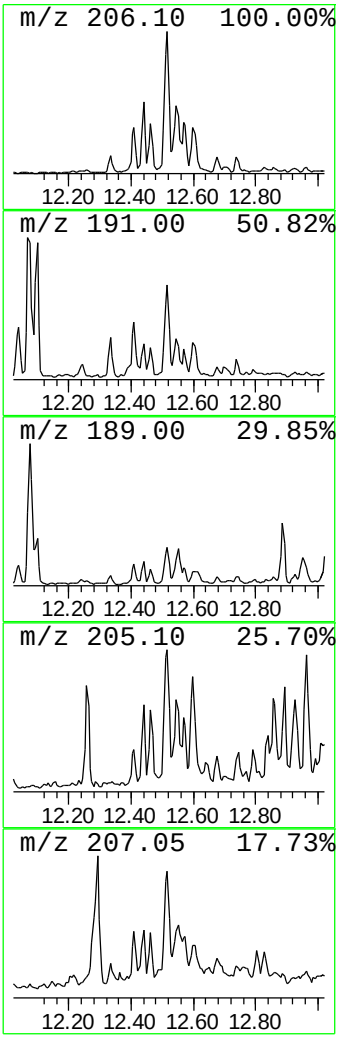
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.59 ng	289154	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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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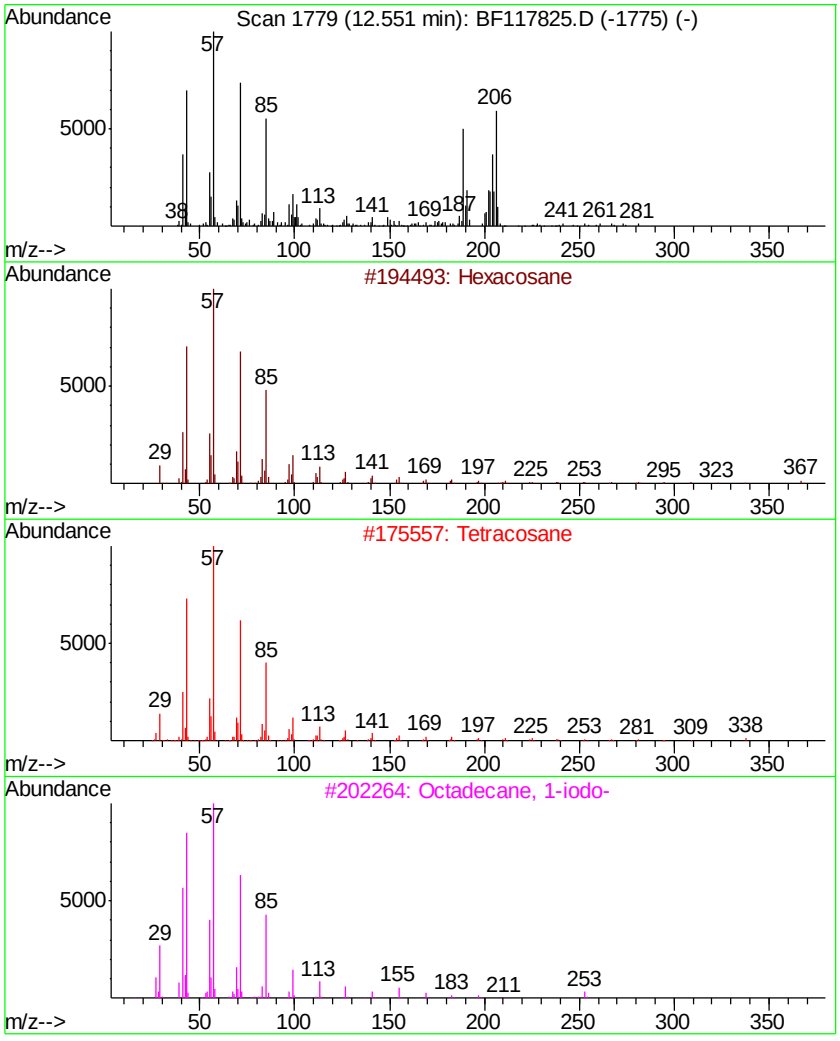
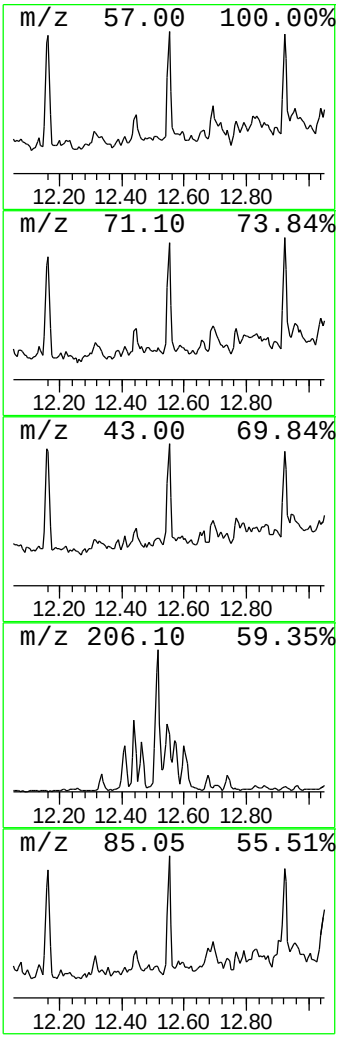
Peak Number 13 unknown12.55 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.76 ng	307466	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	46
2	Tetracosane	338	C24H50	000646-31-1	41
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	38
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	35





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Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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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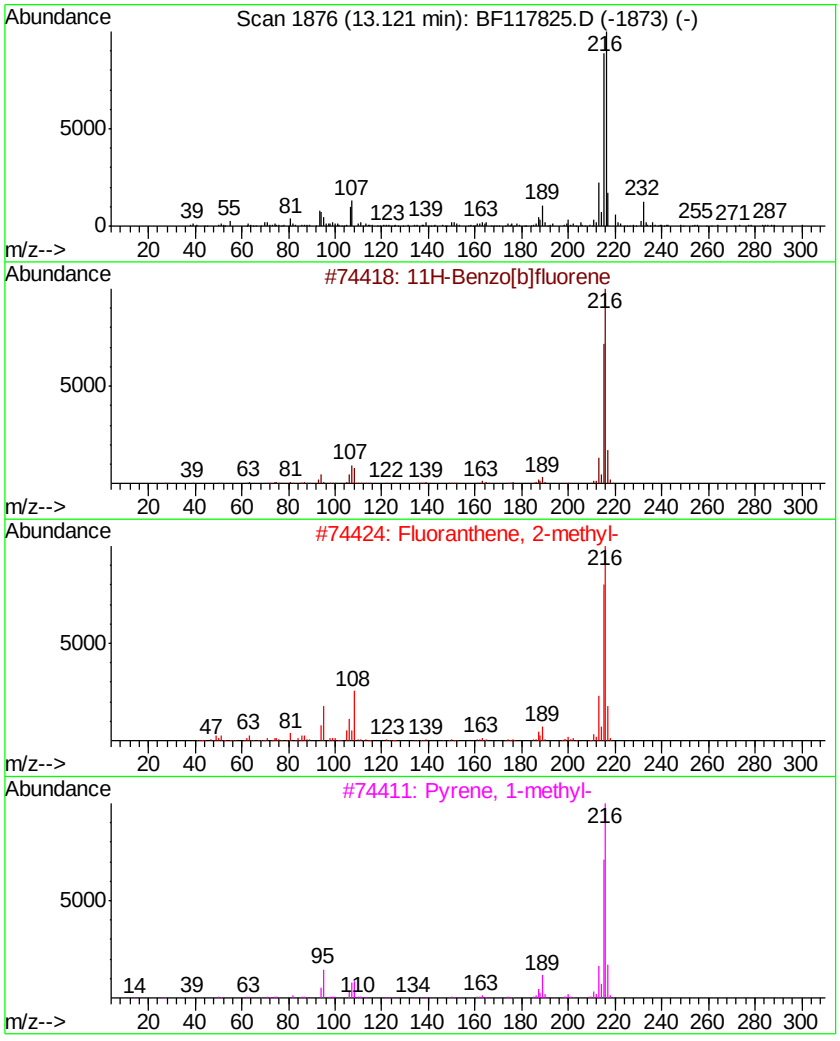
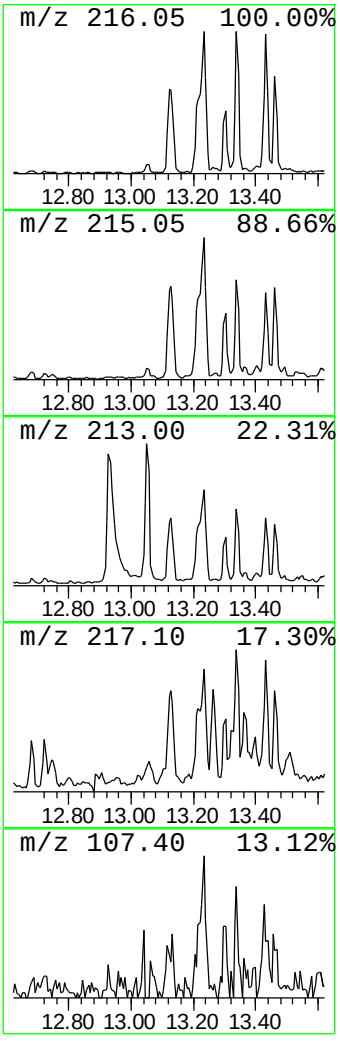
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.29 ng	330251	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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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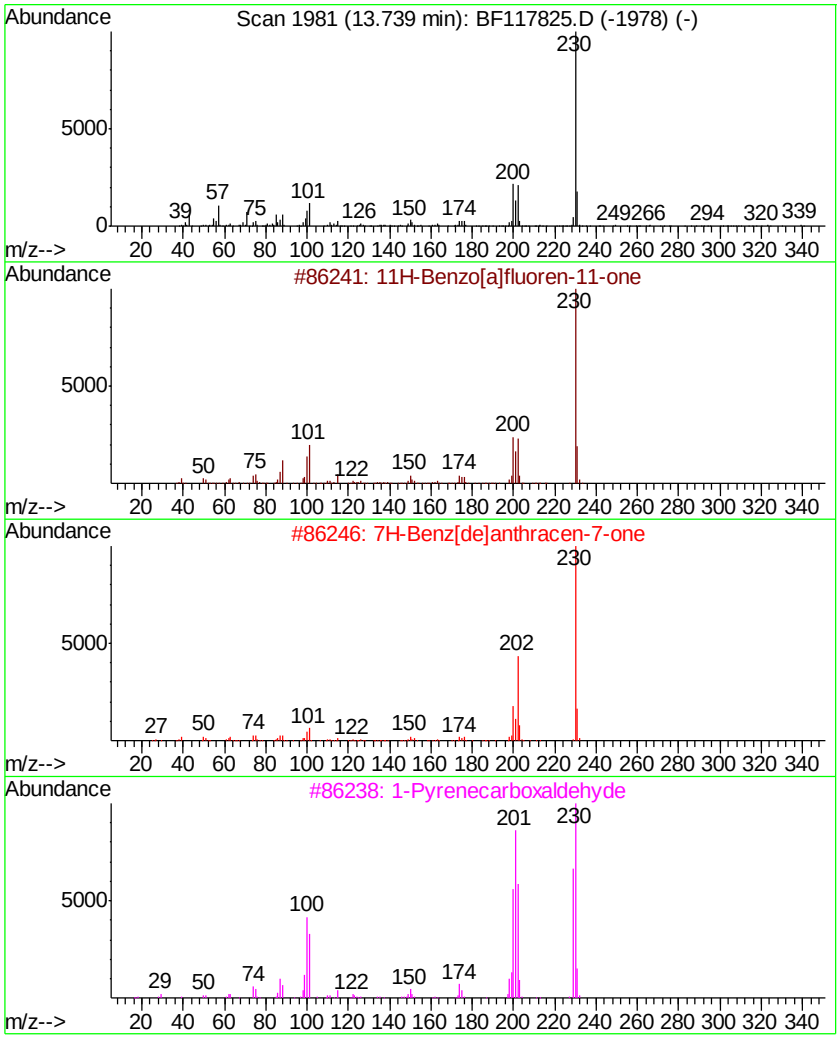
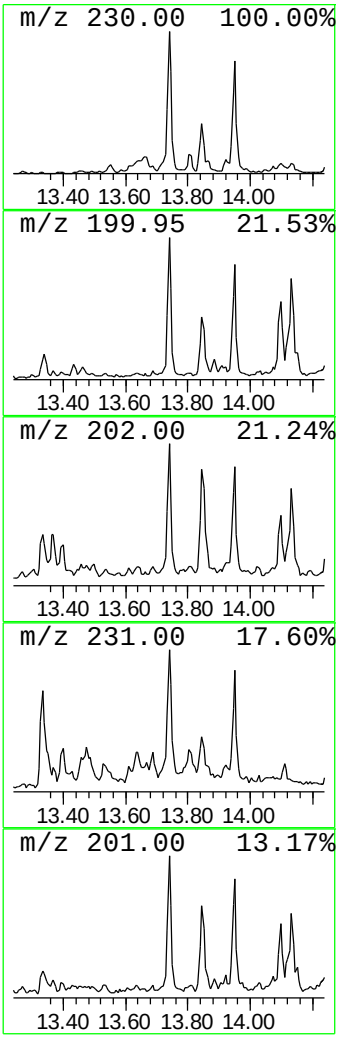
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.94 ng	424191	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	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Instrument : BNA_F
ClientSampleId : 5-(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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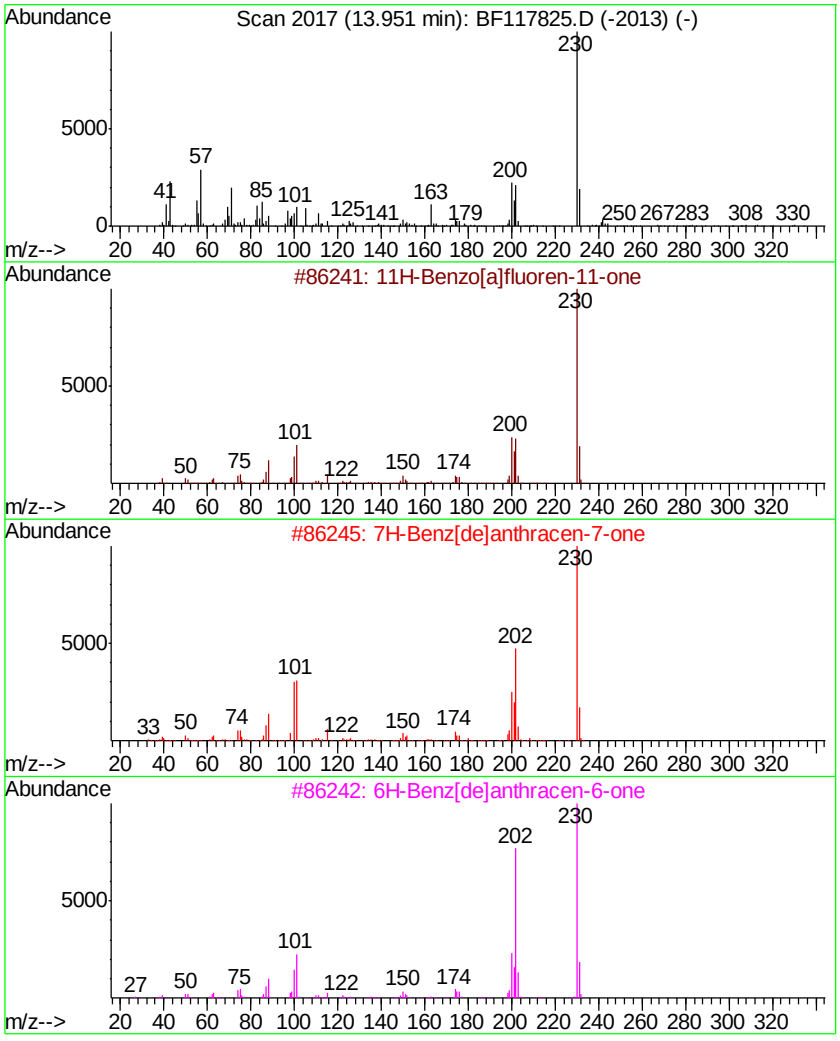
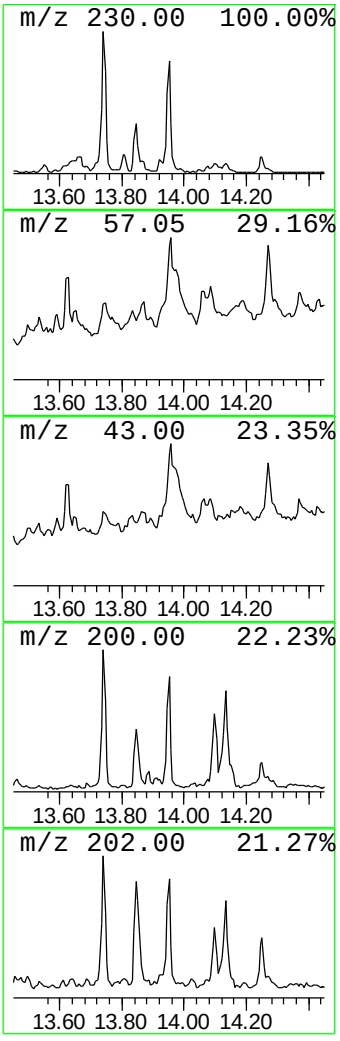
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.54 ng	655116	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	62
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	47
4	o-Terphenyl	230	C18H14	000084-15-1	43
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	43





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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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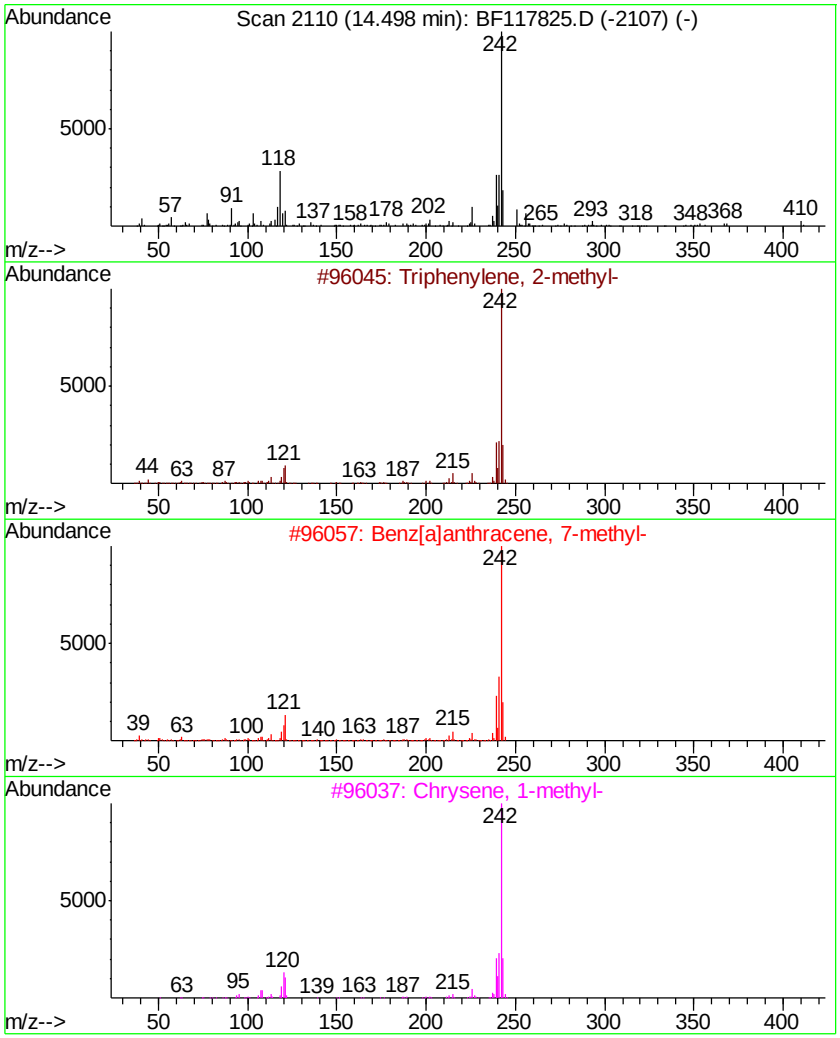
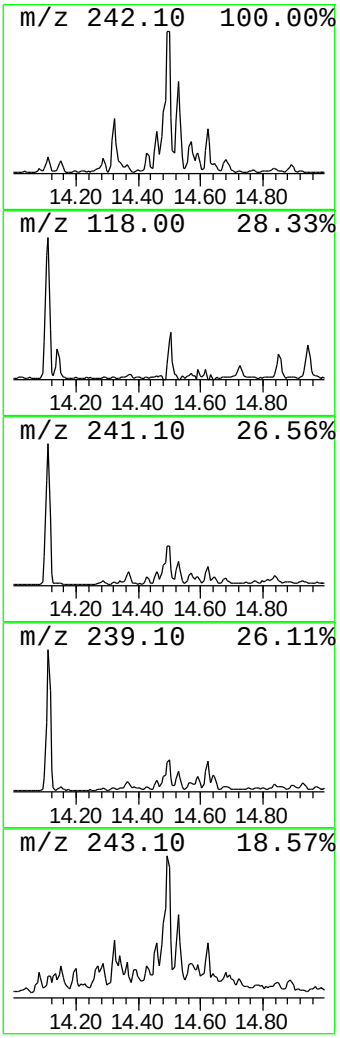
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.20 ng	317952	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	70





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Sample : K5832-16
Misc :
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Instrument : BNA_F
ClientSampleId : 5-(4-6)

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TIC Library : C:\DATABASE\NIST11.L
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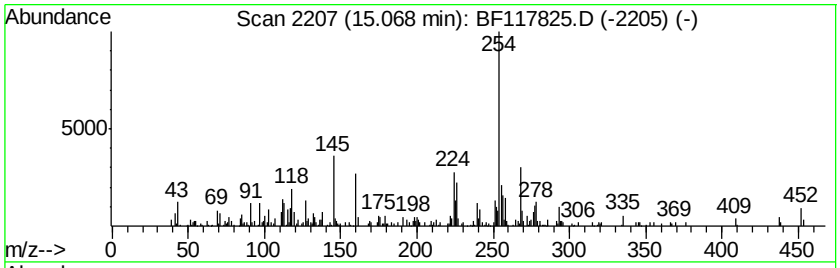
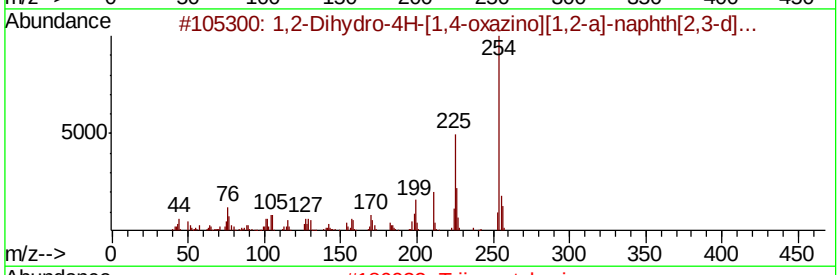
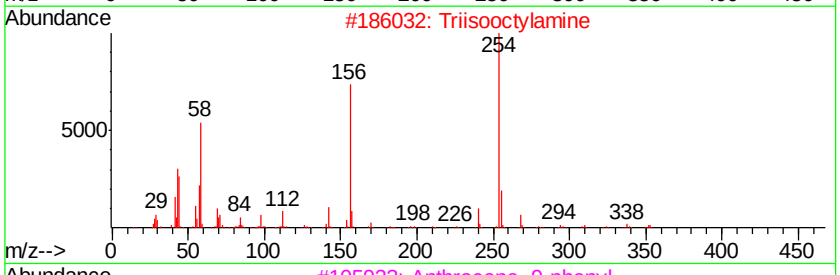
Peak Number 18 unknown15.07 Concentration Rank 20

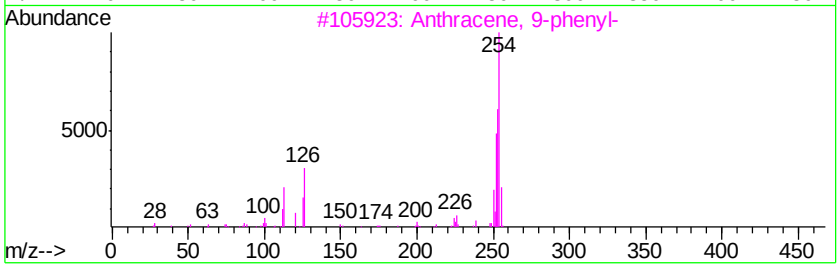
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.15 ng	202563	Perylene-d12	15.62

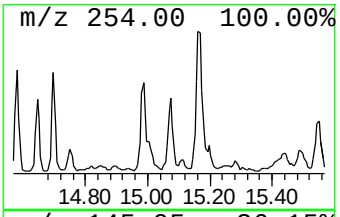
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydro-4H-[1,4-oxazino][1,2...	254	C14H10N2O3	038066-84-1	38
2	Triisooctylamine	353	C24H51N	002757-28-0	38
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	38
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	38
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	38

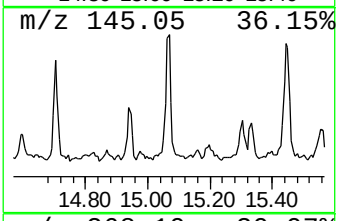


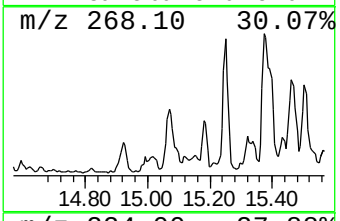


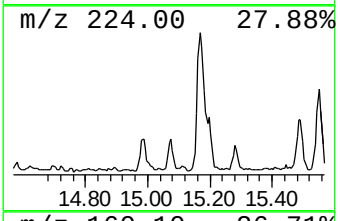


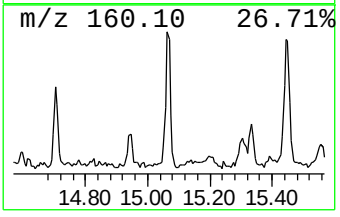












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(4-6)

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

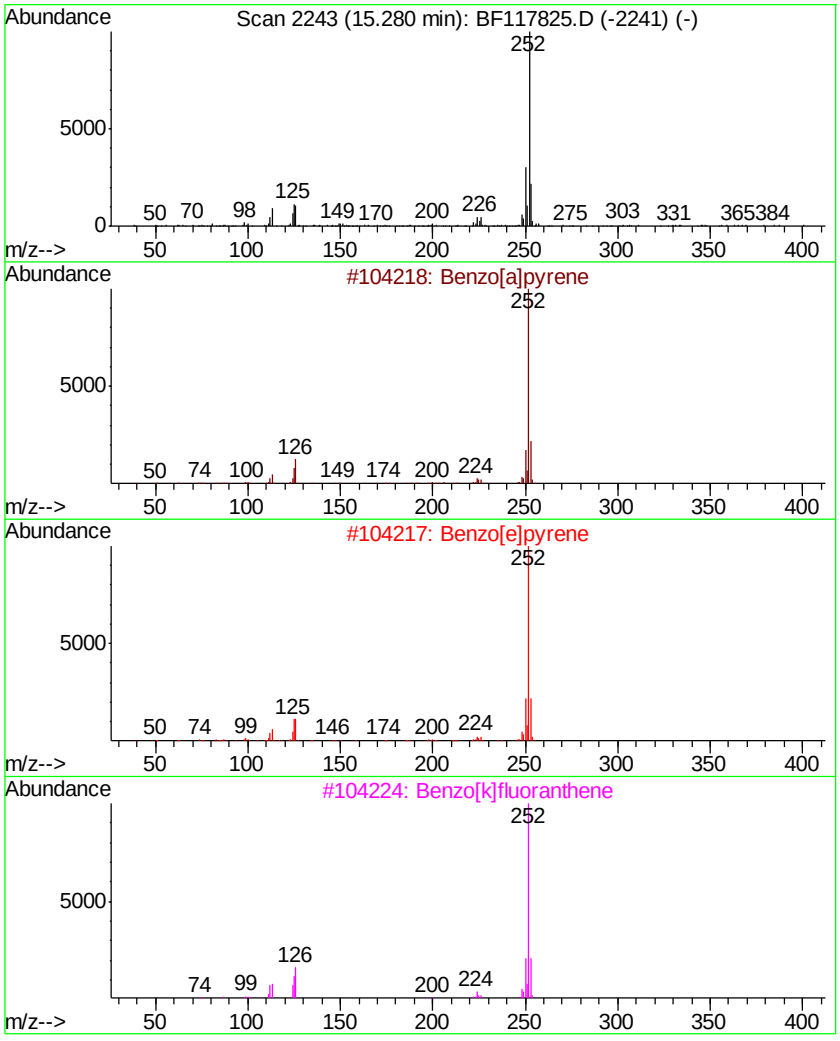
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

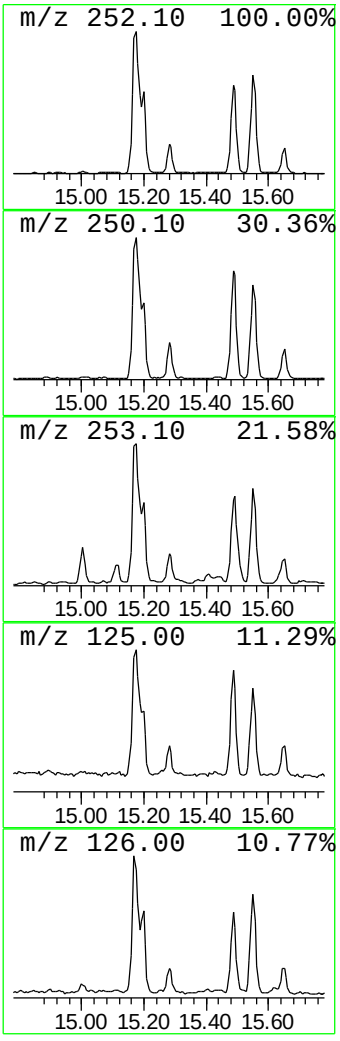
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	2.77 ng	261270	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(4-6)

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

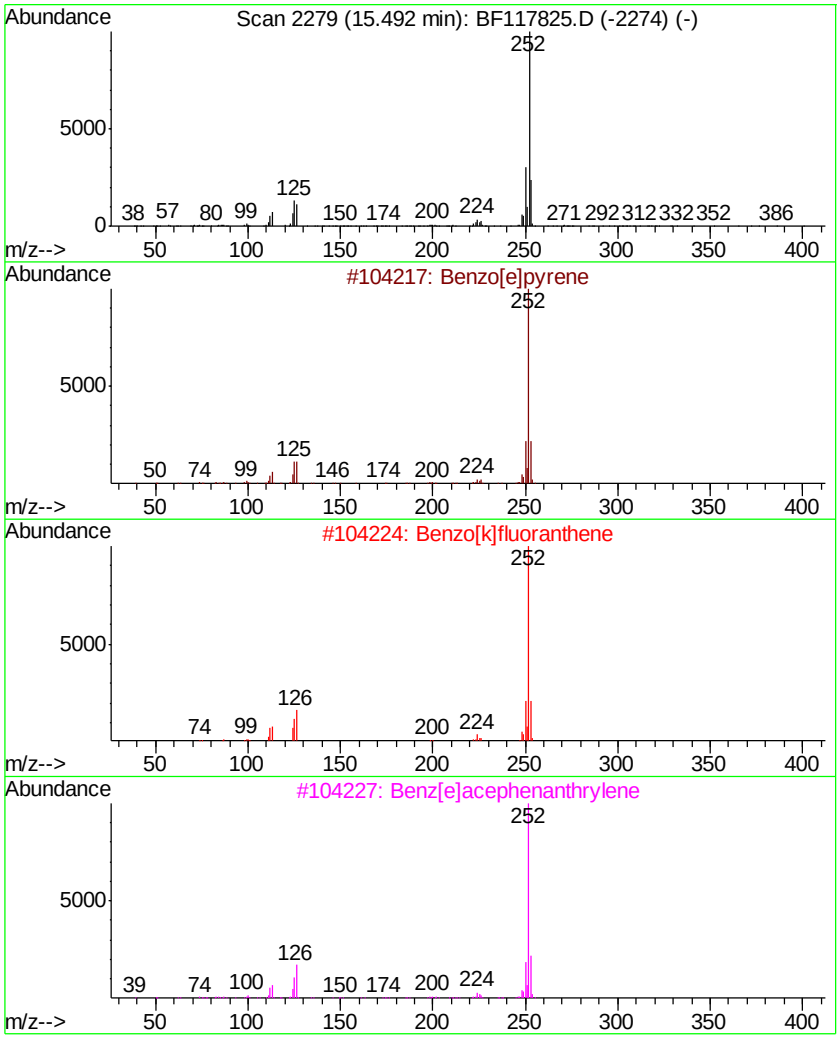
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

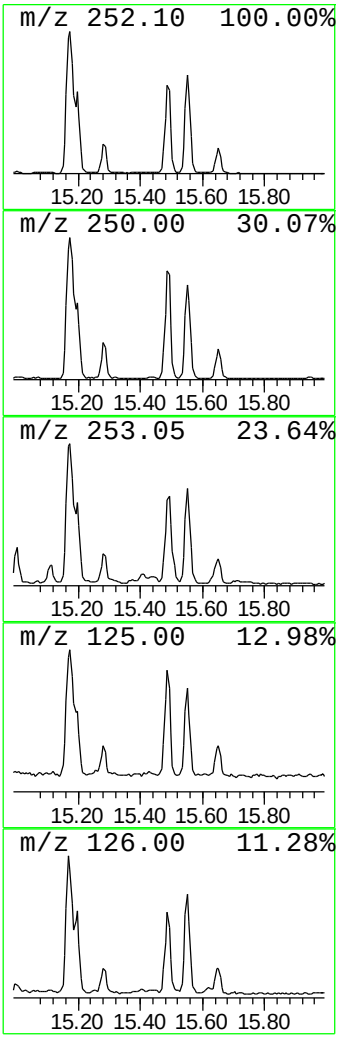
****

Peak Number 20 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	11.40 ng	1073900	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-(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...	2.18	19.3	ng	1354950	1	6.92	1402630	20.0
3-Penten-2-one, 4...	4.52	17.5	ng	1225490	1	6.92	1402630	20.0
2-Pentanone, 4-hy...	5.13	39.4	ng	2764790	1	6.92	1402630	20.0
unknown6.69	6.69	64.7	ng	4538330	1	6.92	1402630	20.0
Heptadecane, 7-me...	10.89	3.7	ng	413438	4	11.46	2229170	20.0
Eicosane, 10-methyl-	11.32	2.4	ng	270362	4	11.46	2229170	20.0
Anthracene, 9-met...	11.96	2.9	ng	317705	4	11.46	2229170	20.0
Phenanthrene, 2-m...	11.99	3.8	ng	419996	4	11.46	2229170	20.0
Phenanthrene, 1-m...	12.07	4.0	ng	447610	4	11.46	2229170	20.0
9,10-Anthracenedione	12.28	2.3	ng	260990	4	11.46	2229170	20.0
Phenanthrene, 2,5...	12.52	2.6	ng	289154	4	11.46	2229170	20.0
unknown12.55	12.55	2.8	ng	307466	4	11.46	2229170	20.0
11H-Benzo[b]fluorene	13.12	2.3	ng	330251	5	14.11	2887800	20.0
11H-Benzo[a]fluor...	13.74	2.9	ng	424191	5	14.11	2887800	20.0
7H-Benz[de]anthra...	13.95	4.5	ng	655116	5	14.11	2887800	20.0
Triphenylene, 2-m...	14.50	2.2	ng	317952	5	14.11	2887800	20.0
unknown15.07	15.07	2.1	ng	202563	6	15.62	1883630	20.0
Benzo[e]pyrene	15.28	2.8	ng	261270	6	15.62	1883630	20.0
Perylene	15.49	11.4	ng	1073900	6	15.62	1883630	20.0