LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118348.D
Acq On : 27 Dec 2019 20:05
Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

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-BF122419.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	5.063	501	506	517	rVB	485812	623089	13.77%	1.142%
2	5.475	571	576	590	rVB	3433927	3305832	73.05%	6.060%
3	6.492	743	749	767	rBV	3252152	3593276	79.40%	6.587%
4	6.628	767	772	775	rBV	3867295	3826452	84.56%	7.014%
5	6.851	806	810	817	rBV	1001114	817760	18.07%	1.499%
6	7.010	833	837	840	rBV	3531042	2986662	66.00%	5.475%
7	7.416	902	906	909	rBV	2216710	2158437	47.70%	3.957%
8	8.139	1025	1029	1031	rBV	1116449	1002657	22.16%	1.838%
9	8.157	1031	1032	1036	rVB	252596	182617	4.04%	0.335%
10	8.851	1147	1150	1158	rVB	168384	163395	3.61%	0.300%
11	8.951	1163	1167	1171	rBV	136257	121690	2.69%	0.223%
12	9.216	1207	1212	1215	rBV	5061444	4525376	100.00%	8.296%
13	9.316	1227	1229	1235	rVB	63963	59929	1.32%	0.110%
14	9.486	1253	1258	1261	rBV	70453	94811	2.10%	0.174%
15	9.557	1266	1270	1272	rBV	110062	108439	2.40%	0.199%
16	9.610	1276	1279	1287	rVB	269062	253645	5.60%	0.465%
17	9.675	1287	1290	1292	rBV	62625	60582	1.34%	0.111%
18	9.757	1302	1304	1308	rBV	119001	105513	2.33%	0.193%
19	9.898	1321	1328	1331	rBV	1461684	1261955	27.89%	2.313%
20	9.933	1331	1334	1337	rVB	233171	216127	4.78%	0.396%
21	10.004	1342	1346	1350	rVB2	36640	51149	1.13%	0.094%
22	10.057	1350	1355	1359	rBV4	39865	62961	1.39%	0.115%
23	10.104	1359	1363	1367	rBV2	178061	165344	3.65%	0.303%
24	10.216	1378	1382	1385	rBV2	53224	58116	1.28%	0.107%
25	10.304	1393	1397	1399	rBV3	59958	80711	1.78%	0.148%
26	10.322	1399	1400	1403	rVB	71422	54930	1.21%	0.101%
27	10.445	1418	1421	1427	rVB2	181814	225403	4.98%	0.413%
28	10.516	1427	1433	1434	rBV2	43329	60578	1.34%	0.111%
29	10.604	1445	1448	1451	rVB	64364	62925	1.39%	0.115%
30	10.692	1459	1463	1467	rBV	2826812	2770609	61.22%	5.079%
31	10.816	1479	1484	1490	rVB3	118682	185366	4.10%	0.340%
32	10.998	1508	1515	1518	rBV3	71925	110659	2.45%	0.203%
33	11.080	1526	1529	1533	rVB	112081	97080	2.15%	0.178%
34	11.198	1547	1549	1553	rVB	71406	64549	1.43%	0.118%

LSC Area Percent Report

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Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.245	1553	1557	1560	rBV3	78465	96512	2.13%	0.177%
36	11.286	1561	1564	1568	rVB	103066	114120	2.52%	0.209%
37	11.392	1578	1582	1584	rBV	1441040	1191159	26.32%	2.184%
38	11.416	1584	1586	1590	rVV	1361569	1114171	24.62%	2.042%
39	11.469	1592	1595	1598	rVB	350846	284214	6.28%	0.521%
40	11.504	1598	1601	1604	rBV2	51400	65752	1.45%	0.121%
41	11.627	1618	1622	1628	rBV2	141316	179412	3.96%	0.329%
42	11.680	1628	1631	1634	rVV3	53467	68687	1.52%	0.126%
43	11.727	1636	1639	1643	rVB2	55452	58709	1.30%	0.108%
44	11.898	1664	1668	1669	rBV	217463	204921	4.53%	0.376%
45	11.916	1669	1671	1677	rVV2	535665	672147	14.85%	1.232%
46	11.974	1678	1681	1684	rVV	119252	119282	2.64%	0.219%
47	12.010	1684	1687	1689	rVV2	318074	347121	7.67%	0.636%
48	12.033	1689	1691	1696	rVB	159597	133788	2.96%	0.245%
49	12.086	1697	1700	1702	rBV2	51298	57389	1.27%	0.105%
50	12.192	1715	1718	1720	rBV	134247	104652	2.31%	0.192%
51	12.221	1721	1723	1728	rVB	84621	89368	1.97%	0.164%
52	12.398	1751	1753	1757	rVB	76563	67219	1.49%	0.123%
53	12.451	1758	1762	1764	rVV	209122	206428	4.56%	0.378%
54	12.480	1764	1767	1770	rVV3	128636	189332	4.18%	0.347%
55	12.539	1774	1777	1781	rVV3	104469	135986	3.00%	0.249%
56	12.616	1786	1790	1793	rBV	1850681	1538059	33.99%	2.819%
57	12.704	1803	1805	1809	rBV2	146317	157164	3.47%	0.288%
58	12.845	1823	1829	1835	rBV	1660752	1798000	39.73%	3.296%
59	12.898	1835	1838	1841	rVB2	108517	132925	2.94%	0.244%
60	12.986	1849	1853	1856	rBV	4924322	4139424	91.47%	7.588%
61	13.063	1862	1866	1870	rBV2	123042	200836	4.44%	0.368%
62	13.174	1878	1885	1888	rBV	307669	474840	10.49%	0.870%
63	13.239	1894	1896	1899	rVB	240054	172437	3.81%	0.316%
64	13.280	1899	1903	1905	rBV2	196600	214309	4.74%	0.393%
65	13.368	1916	1918	1921	rBV	117925	107581	2.38%	0.197%
66	13.404	1921	1924	1926	rBV	138729	123188	2.72%	0.226%
67	13.686	1970	1972	1976	rVB	131709	114076	2.52%	0.209%
68	13.798	1989	1991	1993	rBV	114916	91832	2.03%	0.168%
69	13.821	1993	1995	1997	rVB	143946	114725	2.54%	0.210%
70	13.874	2001	2004	2011	rVB3	546932	748877	16.55%	1.373%
71	14.051	2029	2034	2036	rBV2	1483848	2093846	46.27%	3.838%

LSC Area Percent Report

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Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.074	2036	2038	2041	rVB	1020704	761831	16.83%	1.397%
73	14.157	2049	2052	2054	rVB	174320	136762	3.02%	0.251%
74	14.439	2098	2100	2103	rVB	227396	167687	3.71%	0.307%
75	15.110	2209	2214	2217	rBV	905146	1518864	33.56%	2.784%
76	15.215	2230	2232	2235	rBV	170883	176296	3.90%	0.323%
77	15.415	2263	2266	2273	rVB	675008	806435	17.82%	1.478%
78	15.480	2273	2277	2283	rBV	1011030	1237365	27.34%	2.268%
79	15.545	2284	2288	2291	rBV	948515	1130521	24.98%	2.072%
80	17.056	2539	2545	2551	rVB2	413720	740616	16.37%	1.358%
81	17.509	2617	2622	2633	rVB	316133	633553	14.00%	1.161%

Sum of corrected areas: 54551042

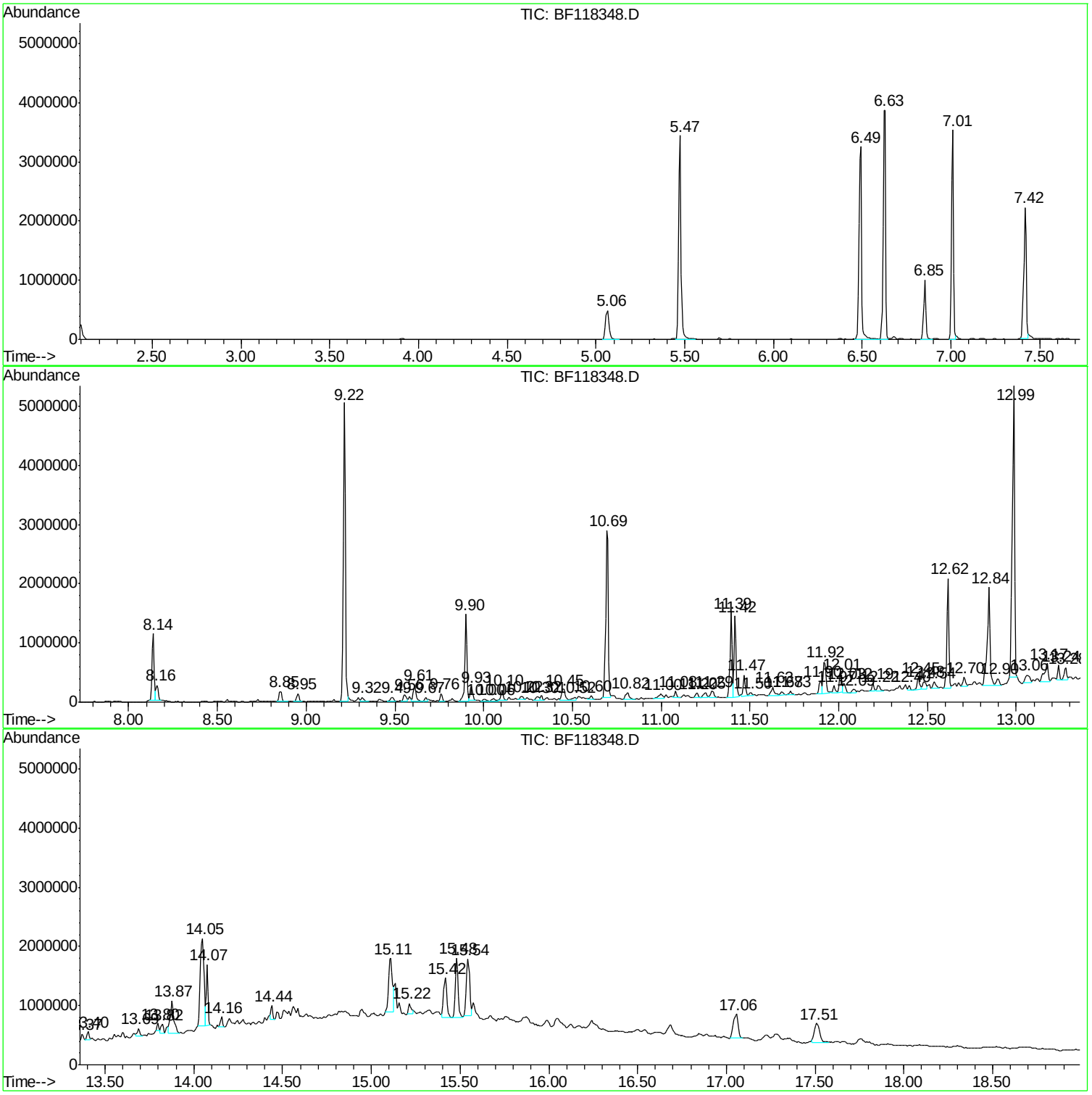
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118348.D
Acq On : 27 Dec 2019 20:05
Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118348.D
Acq On : 27 Dec 2019 20:05
Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

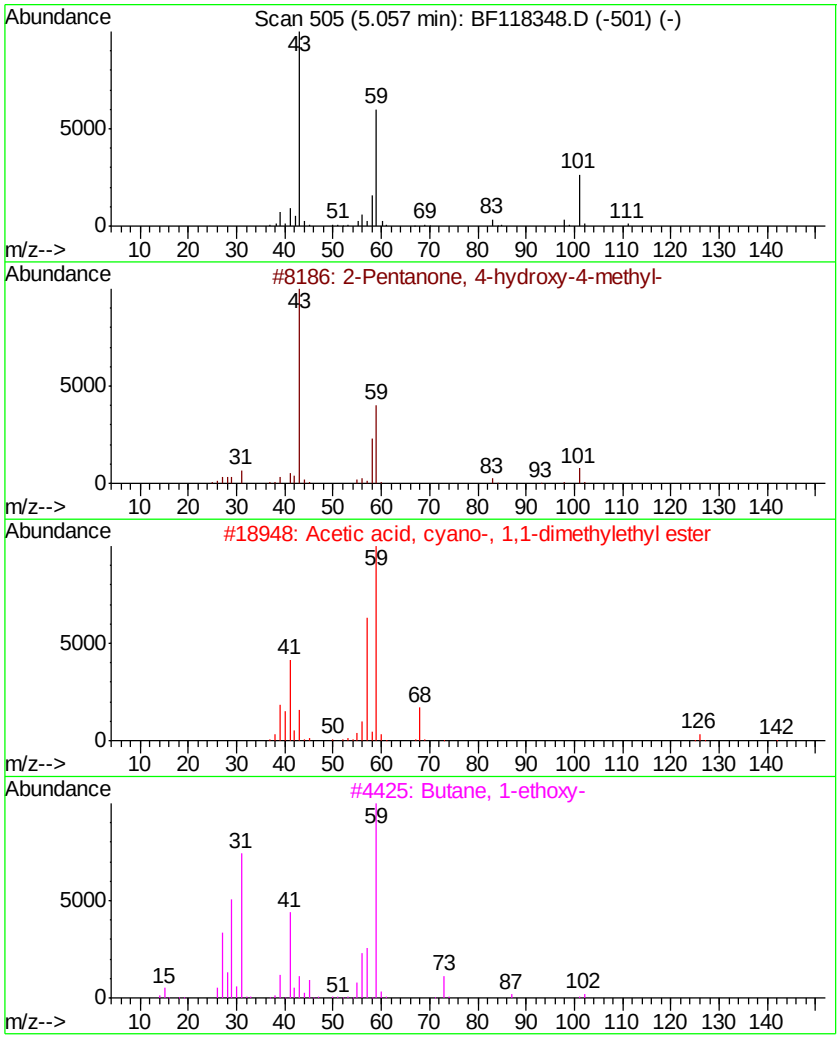
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

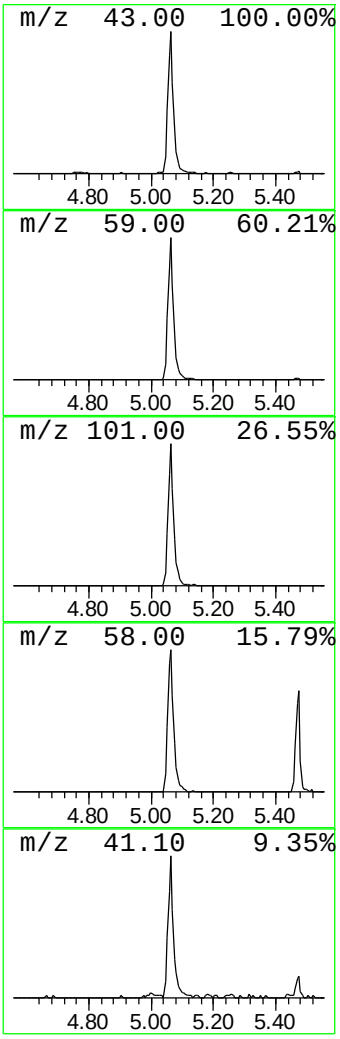
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	15.24 ng	623089	1,4-Dichlorobenzene-d4	6.85

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	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118348.D
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Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

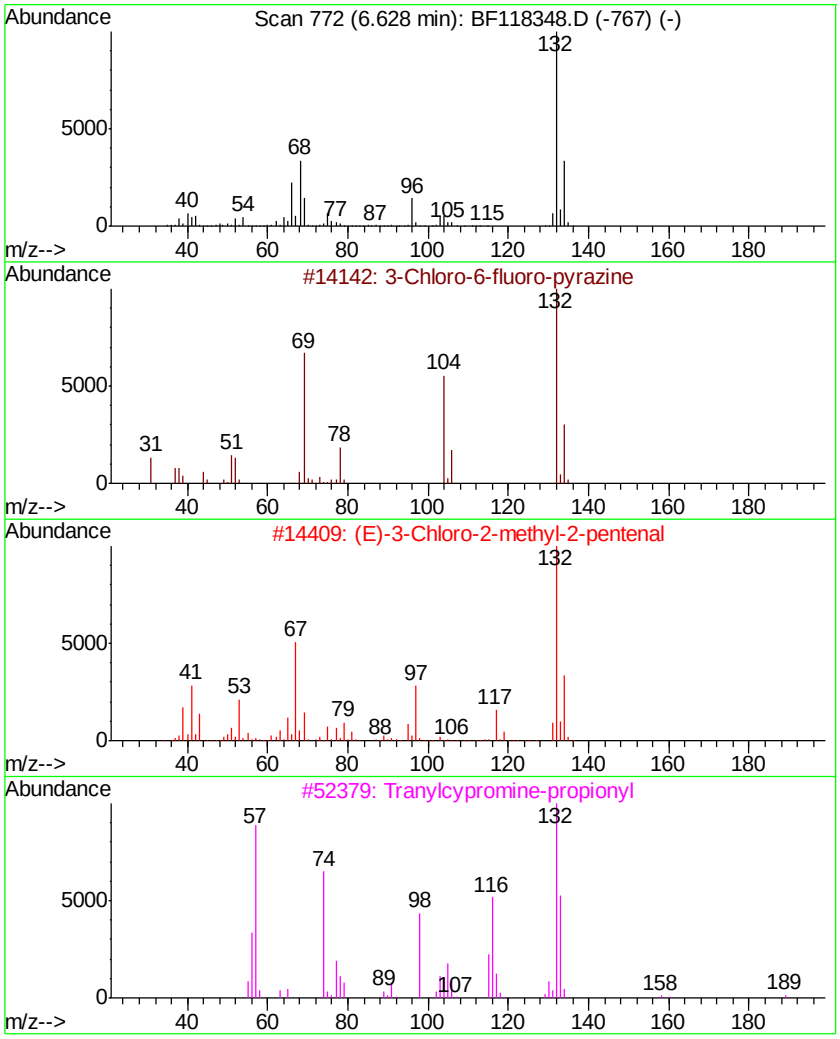
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

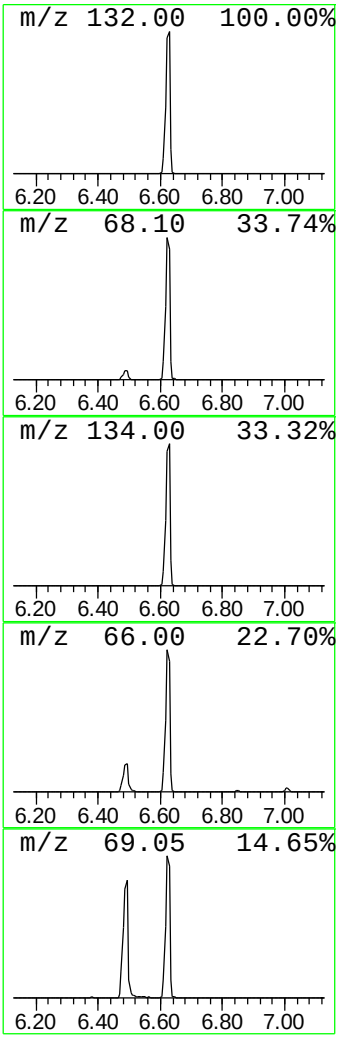
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	93.58 ng	3826450	1,4-Dichlorobenzene-d4	6.85

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	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
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Instrument : BNA_F
ClientSampleId : PH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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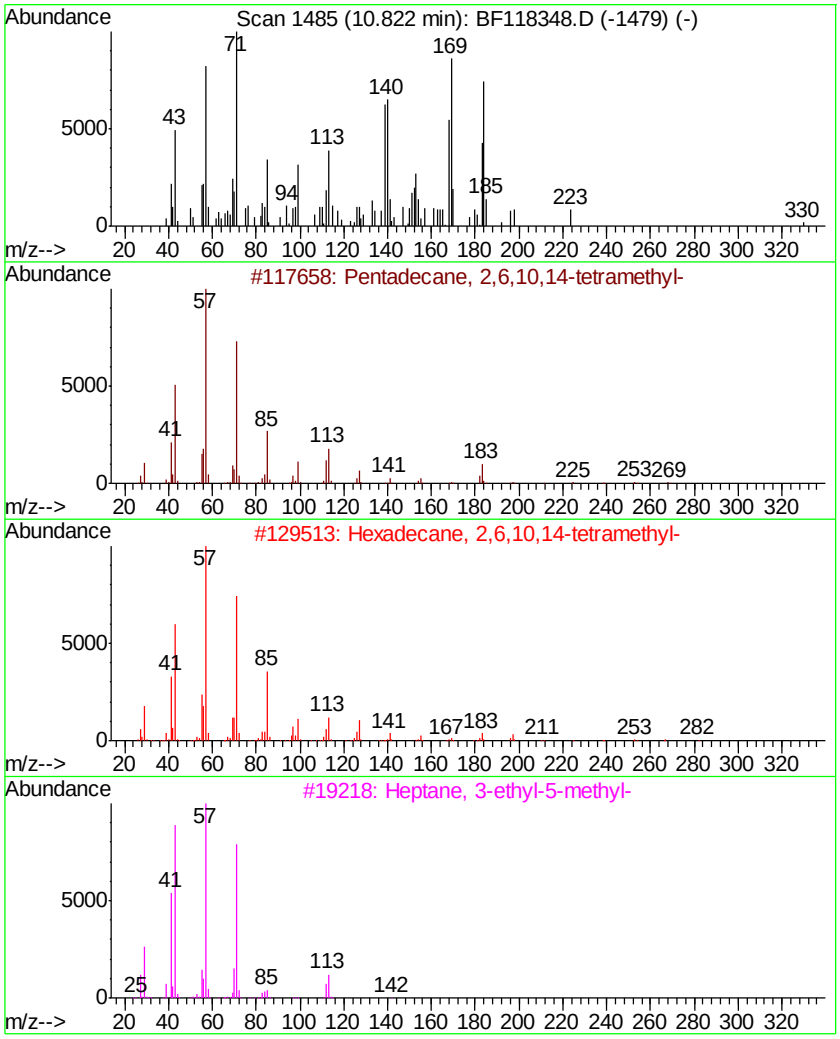
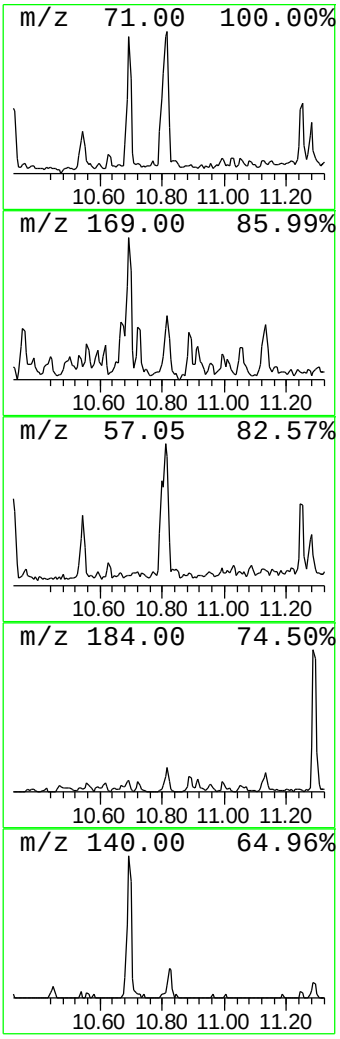
****

Peak Number 4 unknown10.82 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	3.11 ng	185366	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38
4	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	38
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	35





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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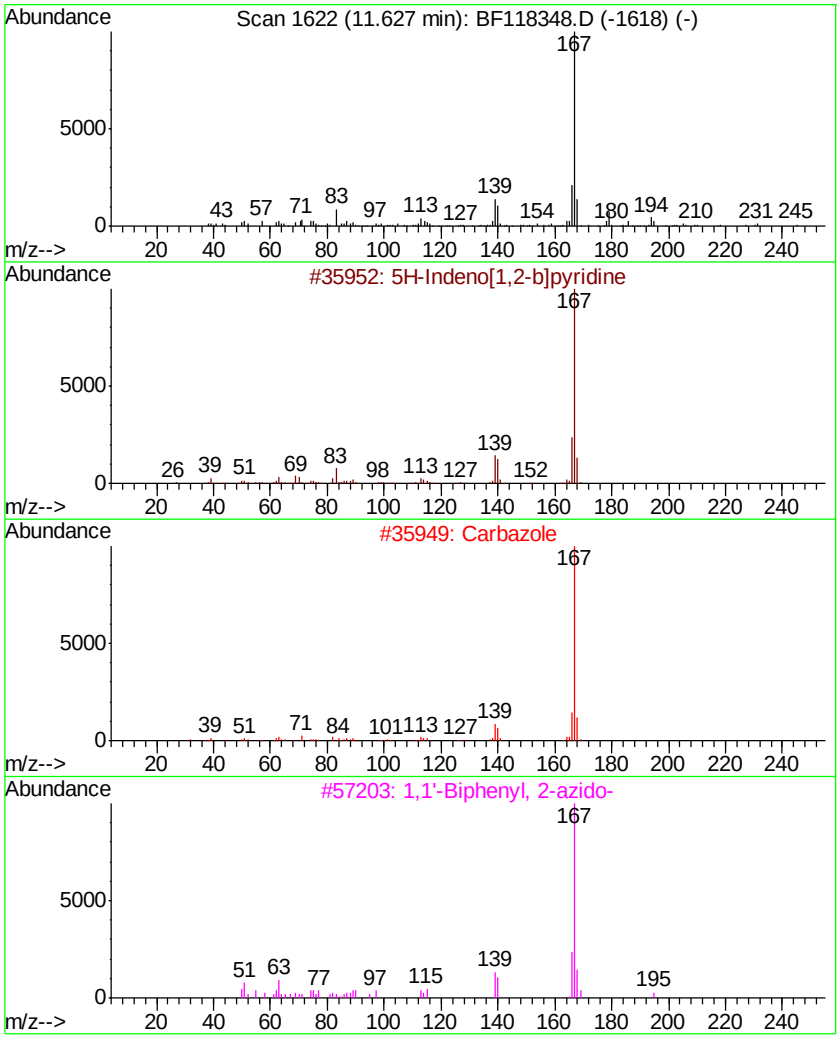
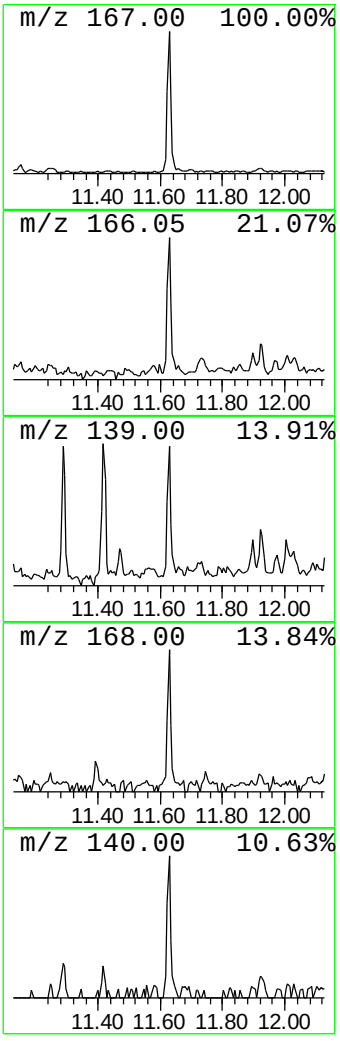
Peak Number 5 5H-Indeno[1,2-b]pyridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	3.01 ng	179412	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	93
2	Carbazole	167	C12H9N	000086-74-8	90
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
4	2-Azafluorene	167	C12H9N	000244-40-6	86
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86





Library Search Compound Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

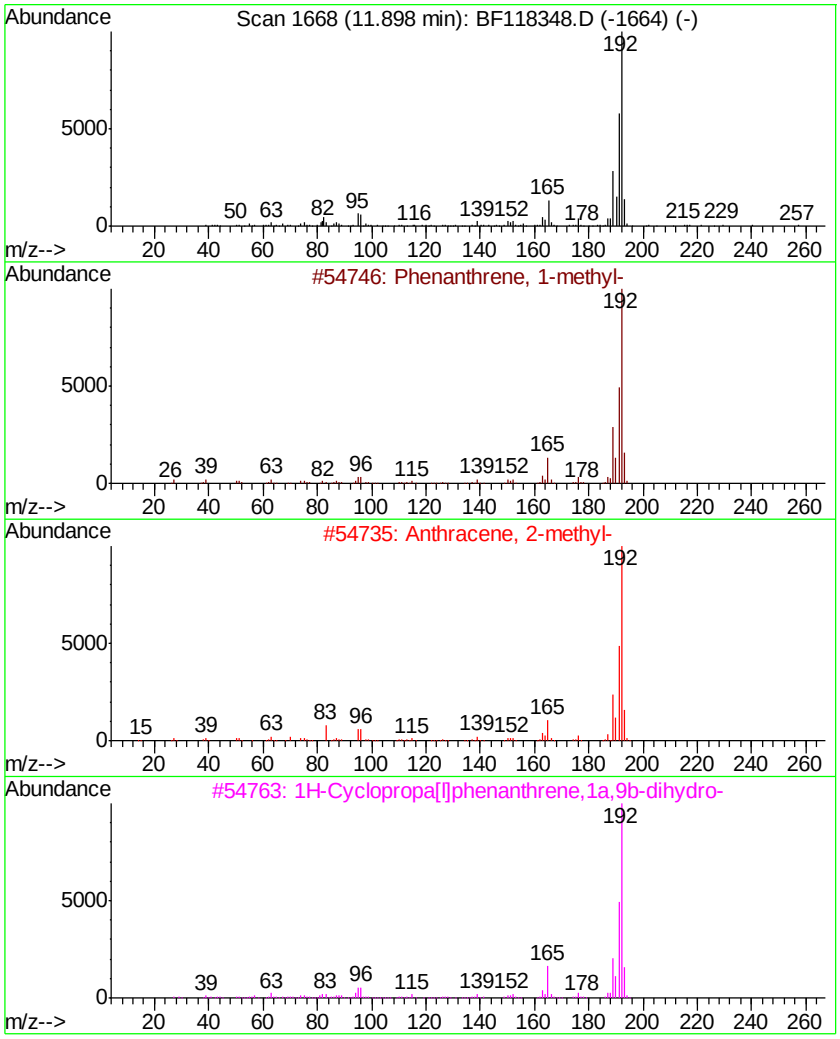
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

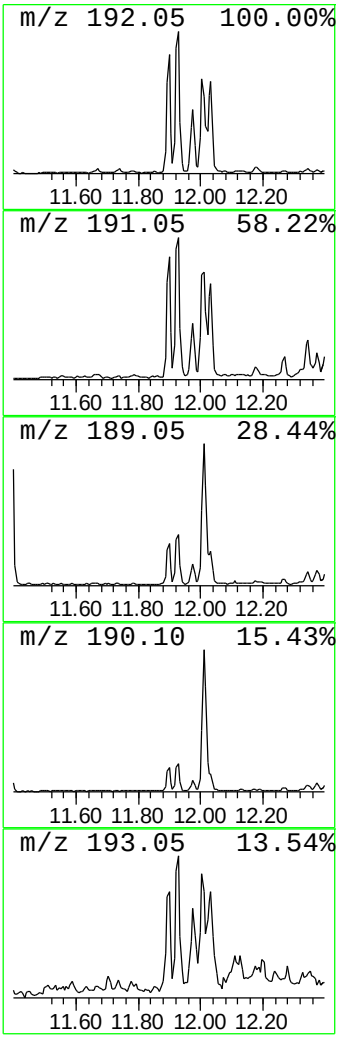
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.44 ng	204921	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118348.D
Acq On : 27 Dec 2019 20:05
Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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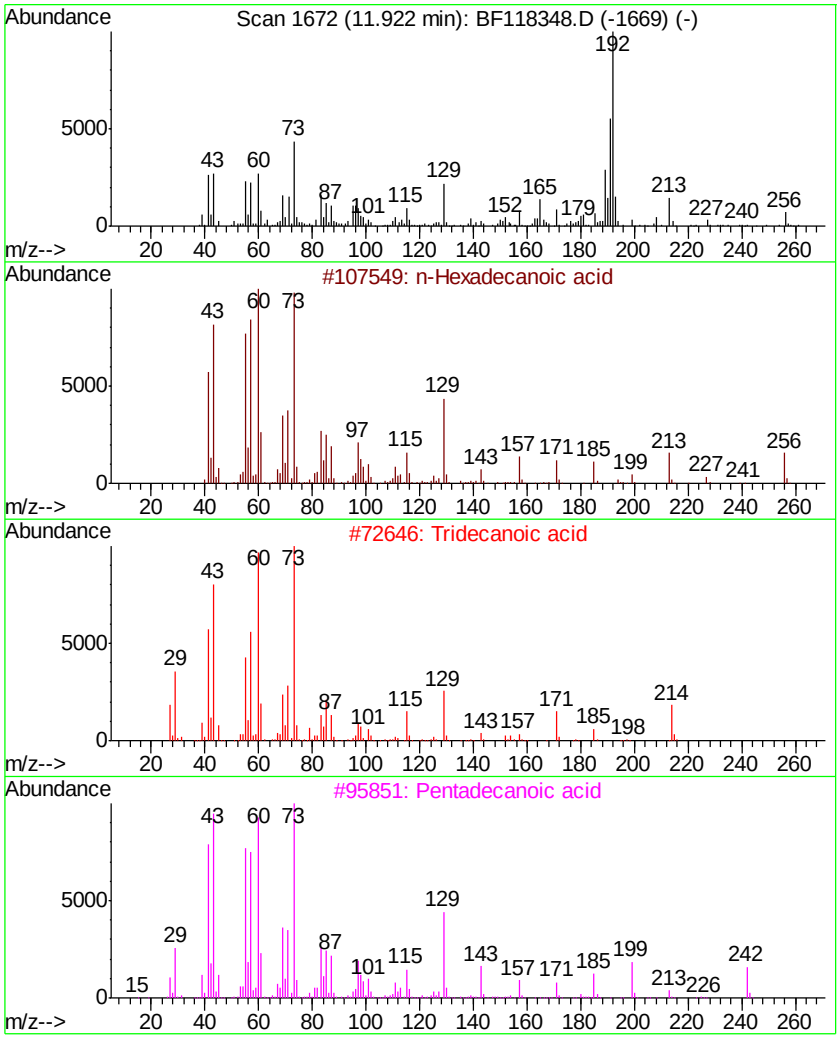
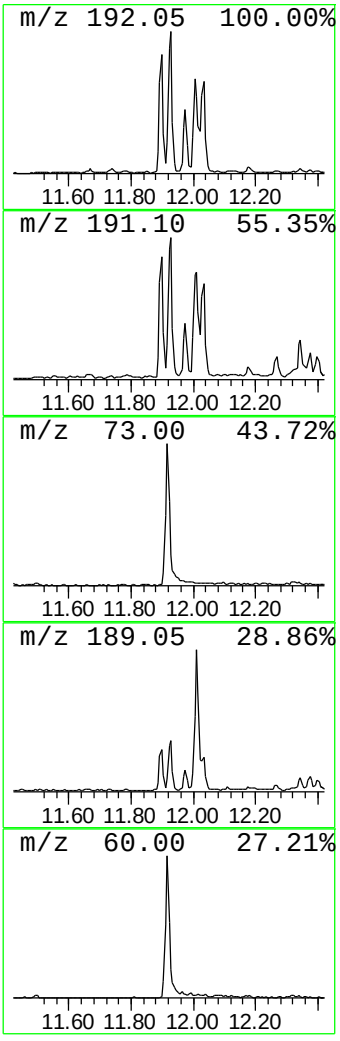
Peak Number 7 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	11.29 ng	672147	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





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Acq On : 27 Dec 2019 20:05
Operator : JU
Sample : K6443-05
Misc :
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Instrument : BNA_F
ClientSampleId : PH-2

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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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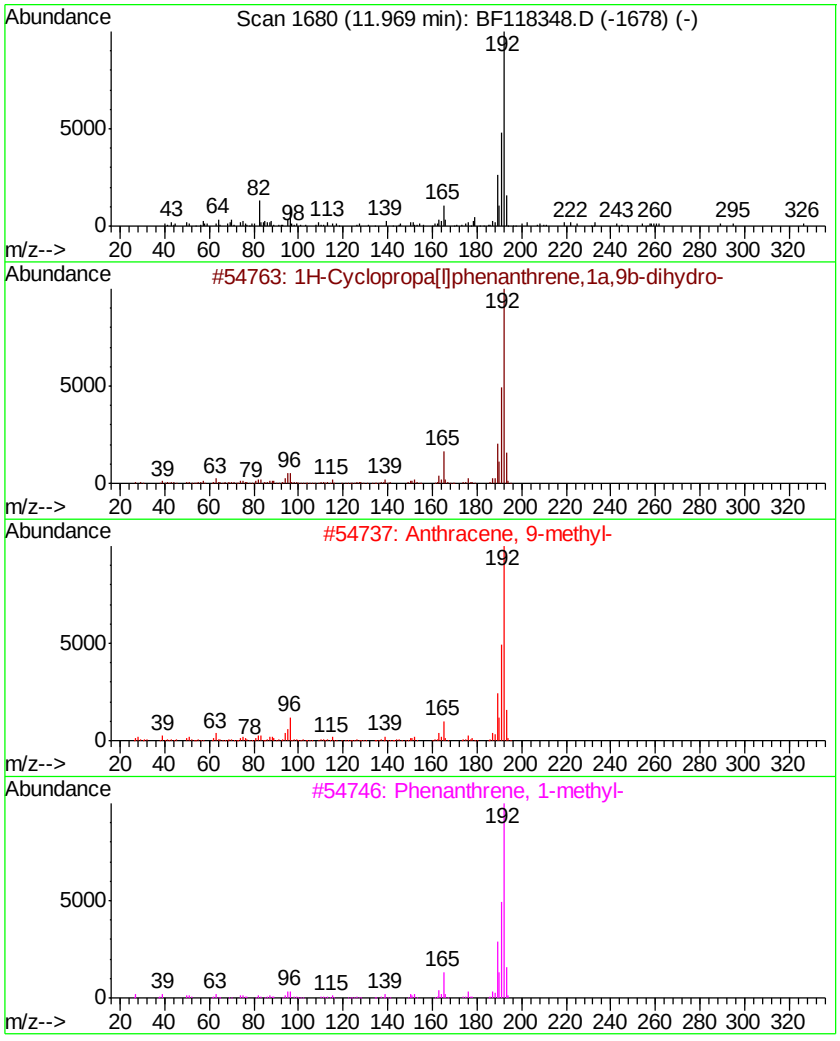
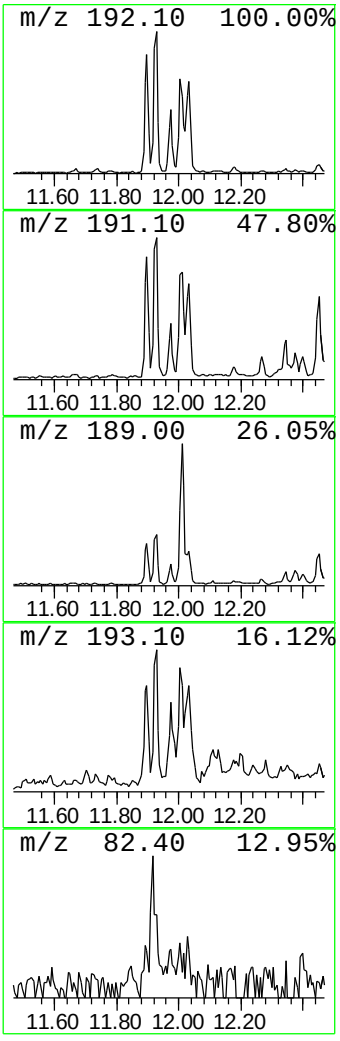
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.00 ng	119282	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : PH-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

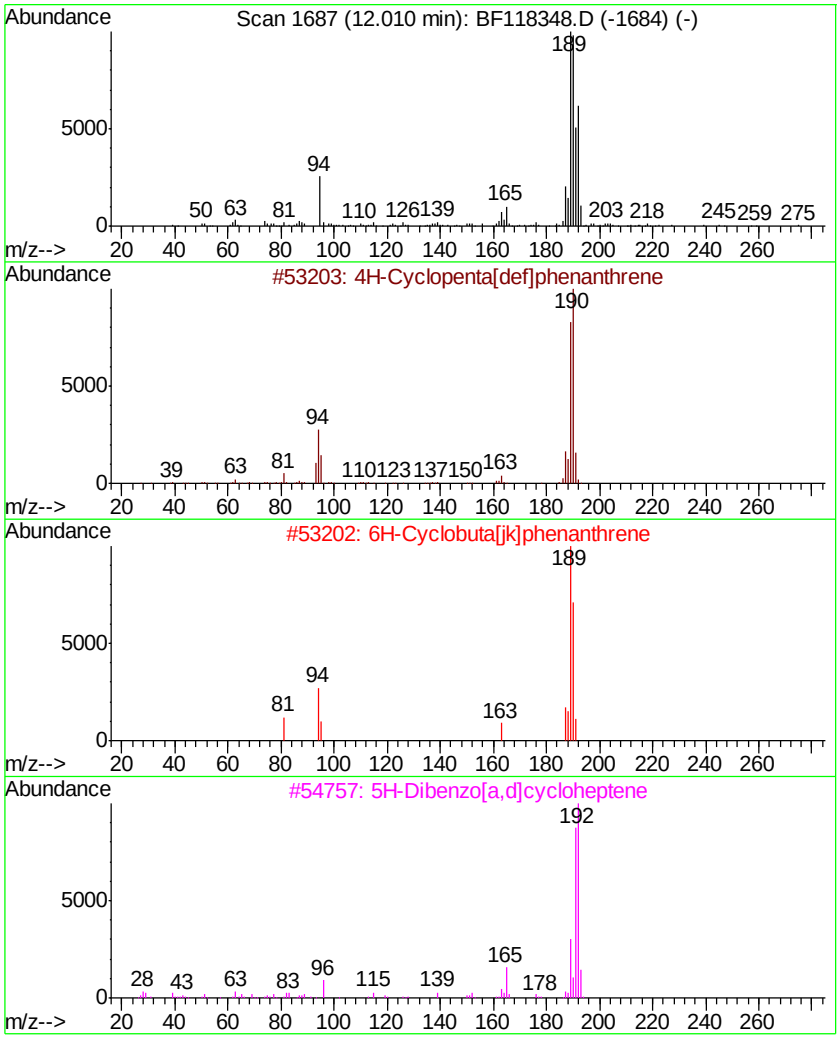
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

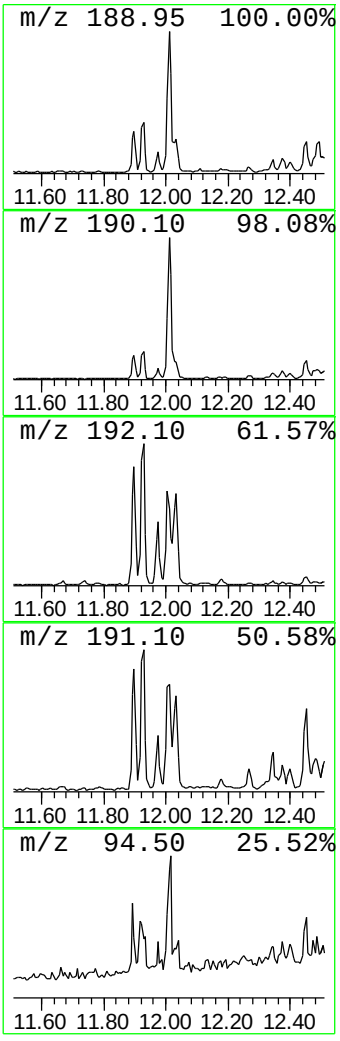
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.83 ng	347121	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	20





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Instrument : BNA_F
ClientSampleId : PH-2

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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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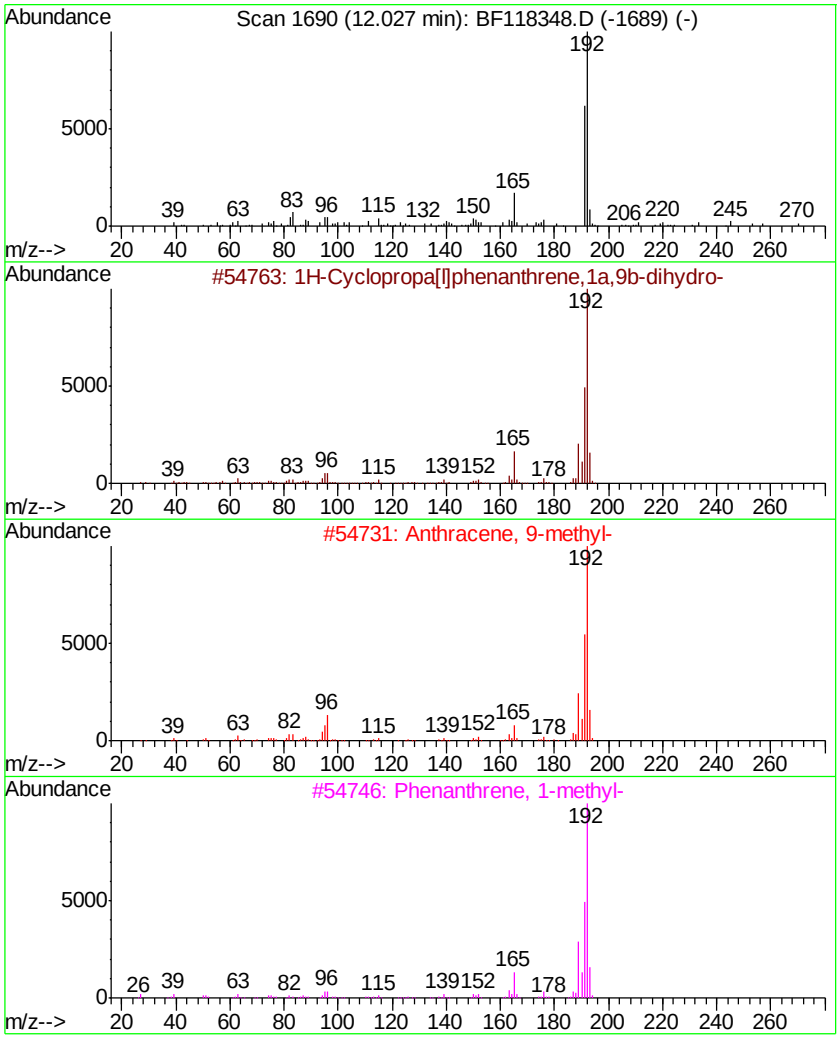
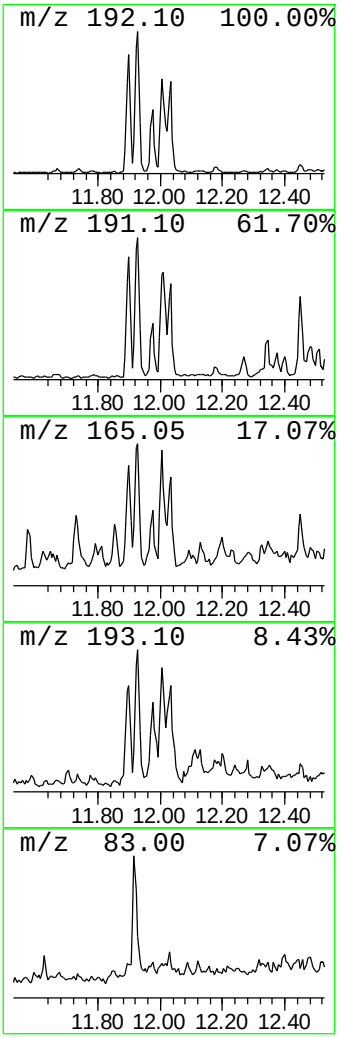
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.25 ng	133788	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	72
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

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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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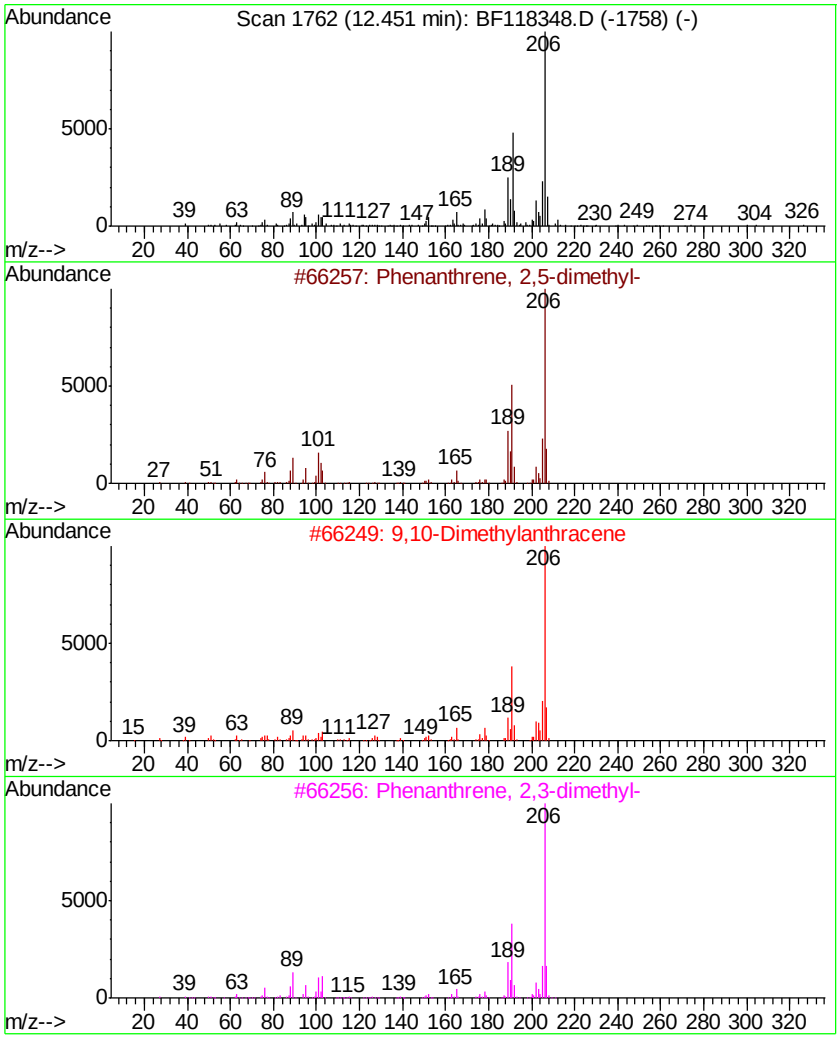
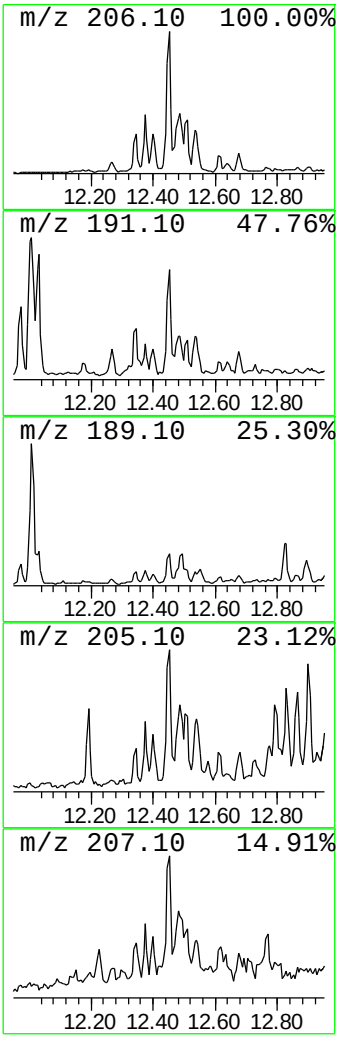
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.47 ng	206428	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

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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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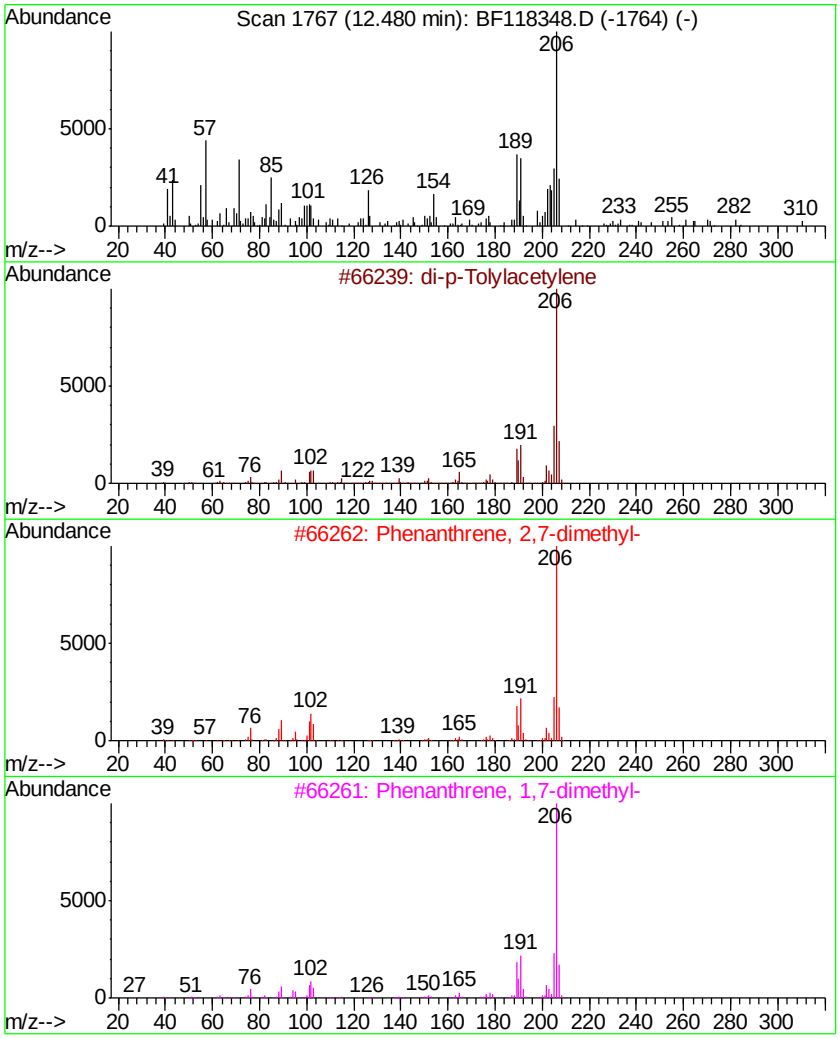
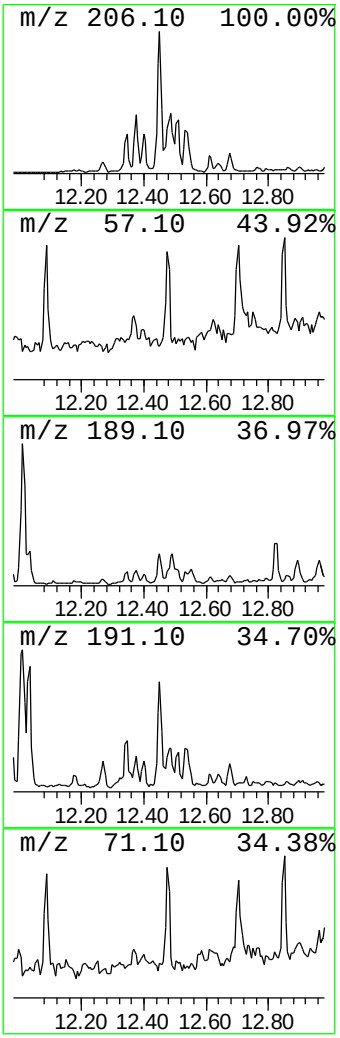
Peak Number 12 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	3.18 ng	189332	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	60





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ClientSampleId : PH-2

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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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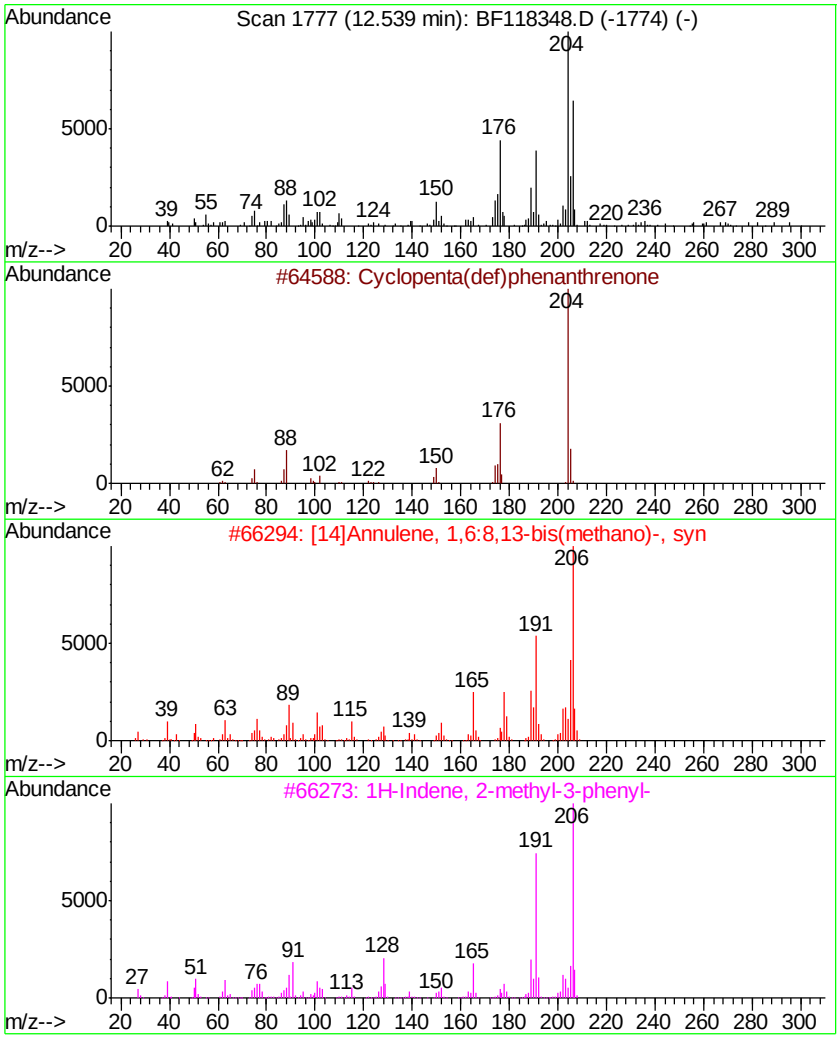
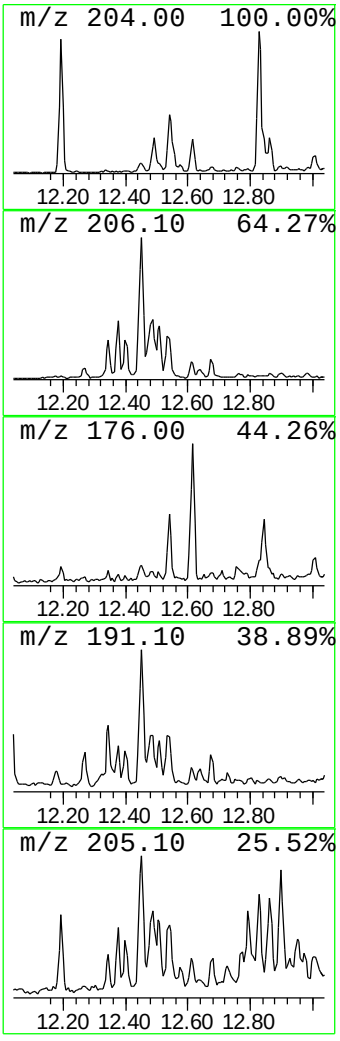
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.28 ng	135986	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38





Library Search Compound Report

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Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

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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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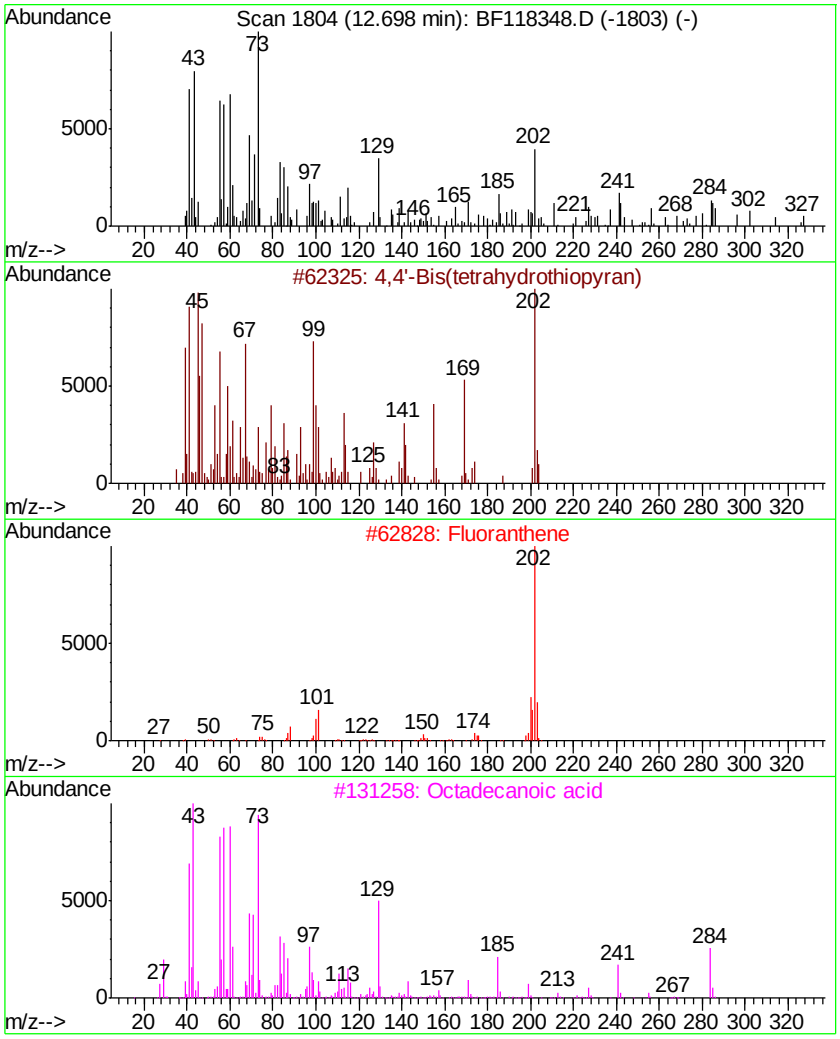
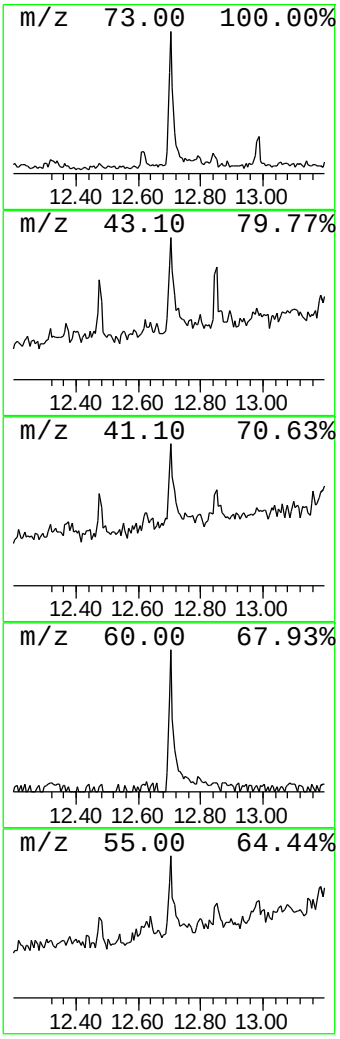
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.64 ng	157164	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	83
2	Fluoranthene	202	C16H10	000206-44-0	80
3	Octadecanoic acid	284	C18H36O2	000057-11-4	56
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	52
5	Pyrene	202	C16H10	000129-00-0	38





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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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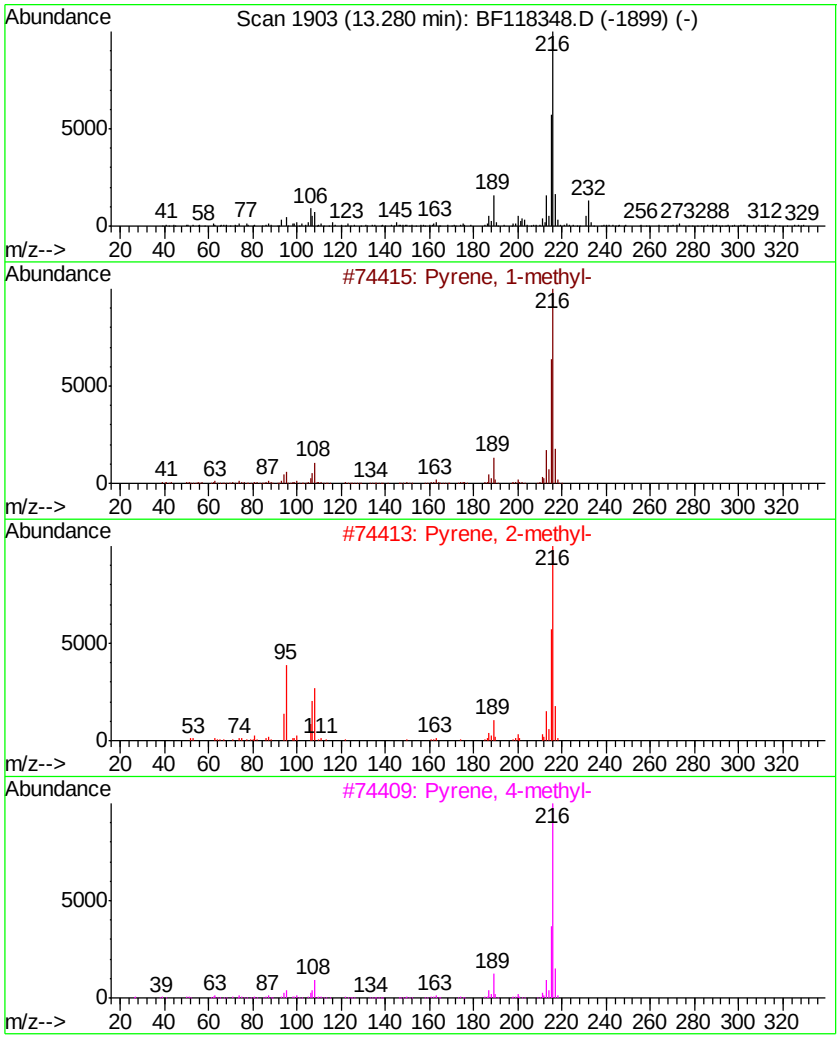
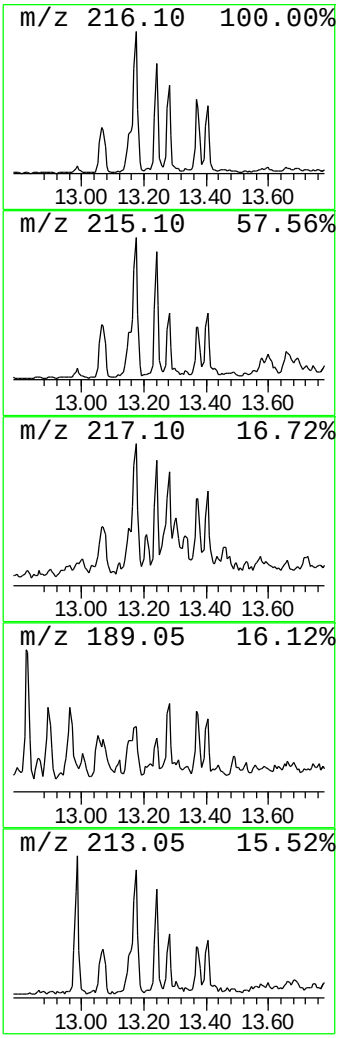
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.05 ng	214309	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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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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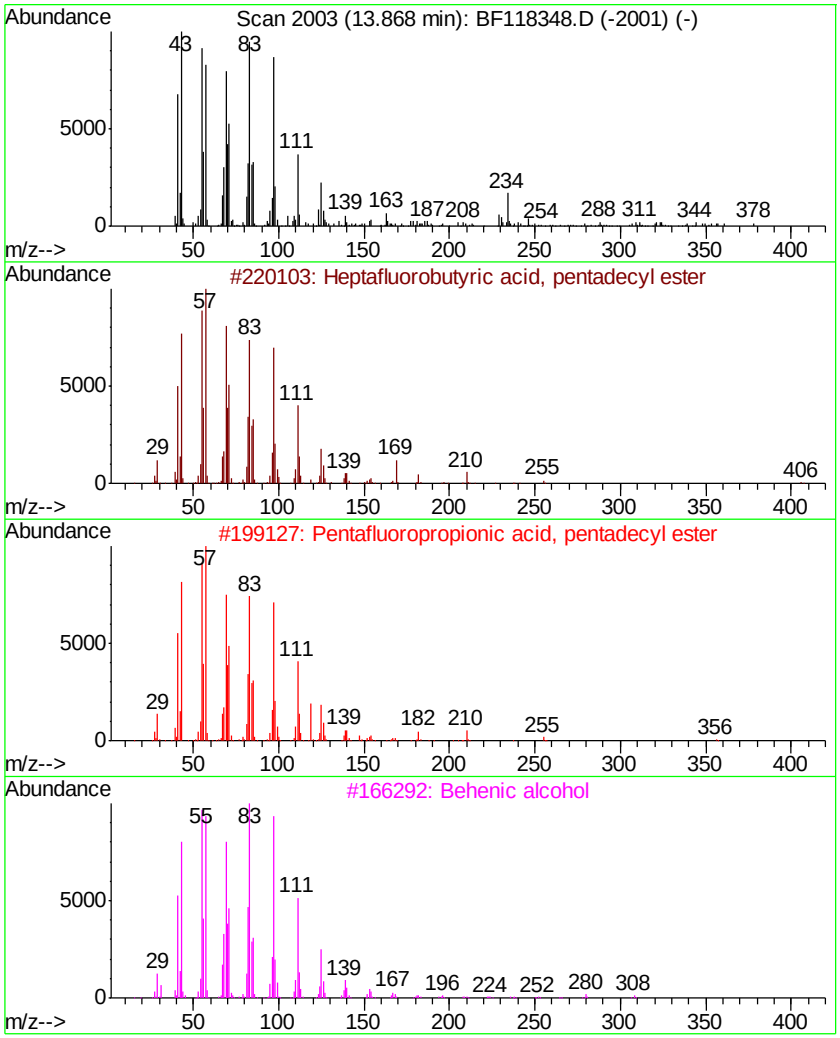
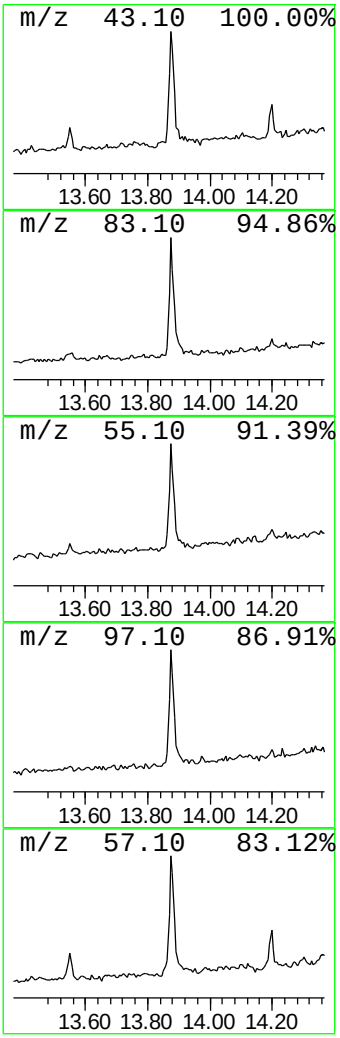
Peak Number 17 Heptafluorobutyric acid, pe... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	7.15 ng	748877	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93





Library Search Compound Report

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Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

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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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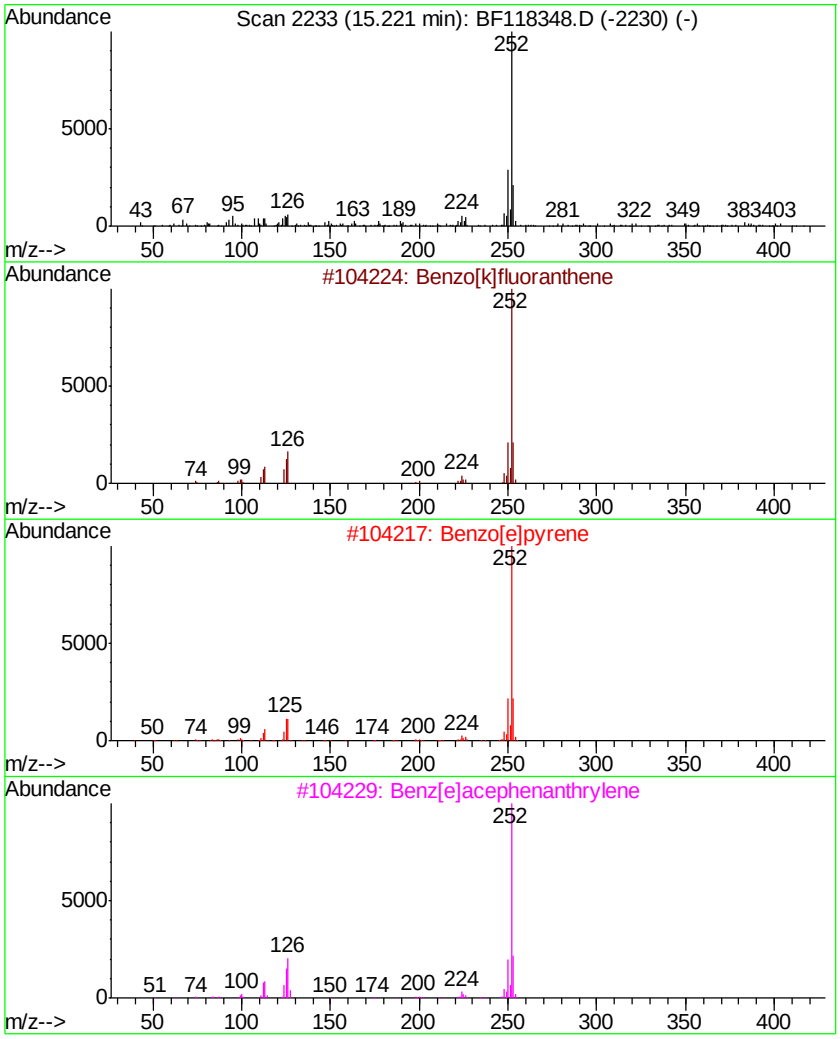
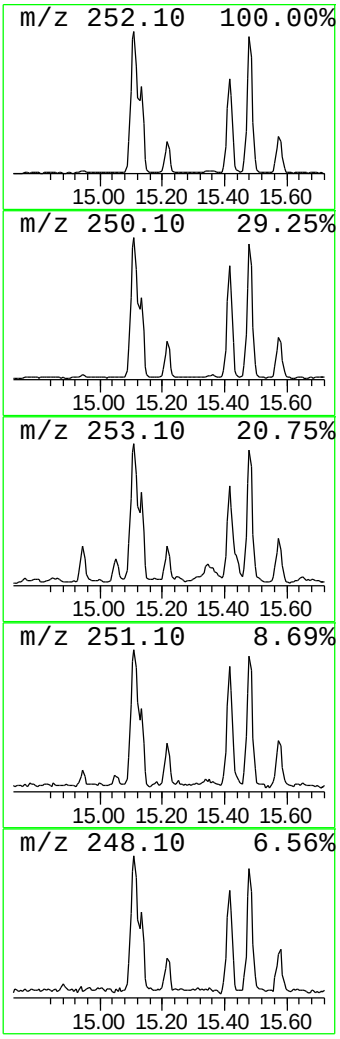
Peak Number 18 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	3.12 ng	176296	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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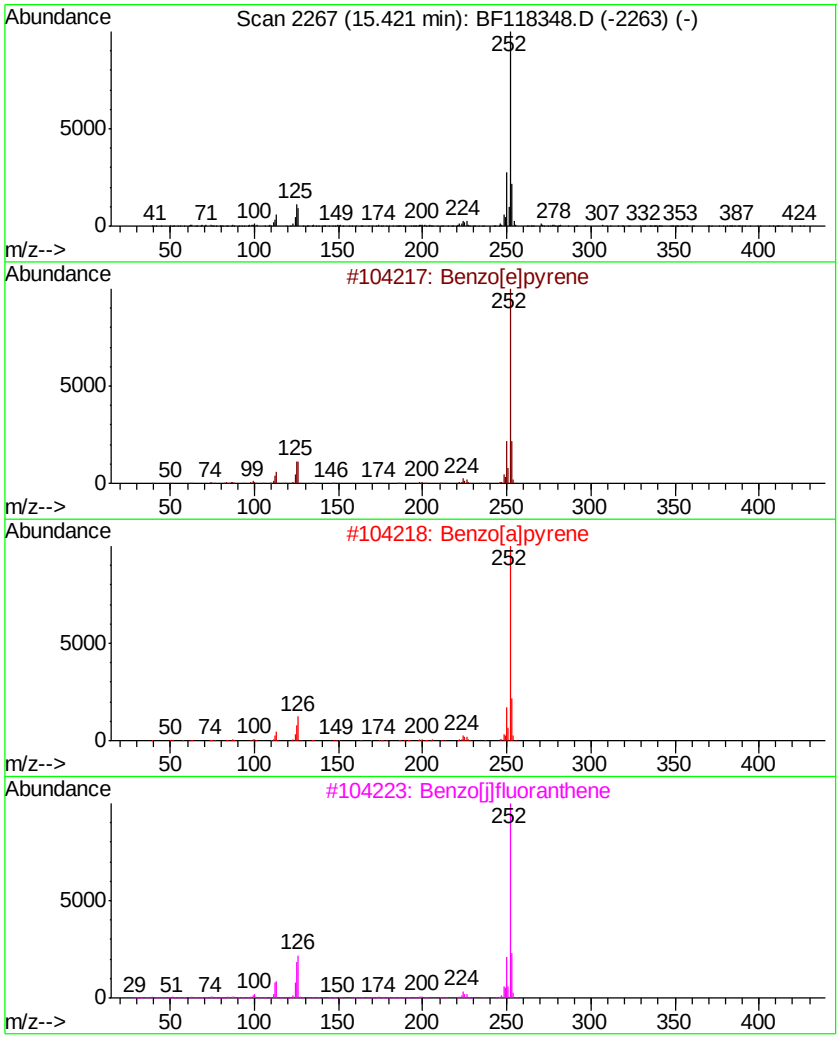
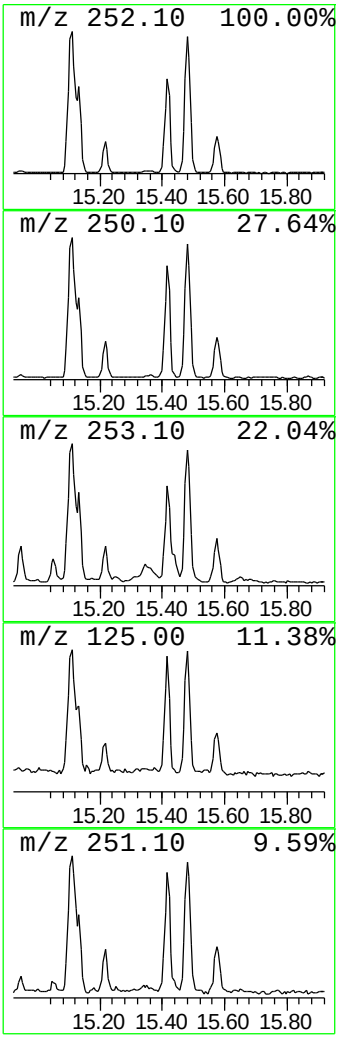
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	14.27 ng	806435	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

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Data File : BF118348.D
Acq On : 27 Dec 2019 20:05
Operator : JU
Sample : K6443-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PH-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
2-Pentanone, 4-hy...	5.06	15.2	ng	623089	1	6.85	817760	20.0
unknown6.63	6.63	93.6	ng	3826450	1	6.85	817760	20.0
unknown10.82	10.82	3.1	ng	185366	4	11.39	1191160	20.0
5H-Indeno[1,2-b]p...	11.63	3.0	ng	179412	4	11.39	1191160	20.0
Phenanthrene, 1-m...	11.90	3.4	ng	204921	4	11.39	1191160	20.0
n-Hexadecanoic acid	11.92	11.3	ng	672147	4	11.39	1191160	20.0
Anthracene, 9-met...	11.97	2.0	ng	119282	4	11.39	1191160	20.0
4H-Cyclopenta[def...	12.01	5.8	ng	347121	4	11.39	1191160	20.0
1H-Cyclopropa[l]p...	12.03	2.3	ng	133788	4	11.39	1191160	20.0
Phenanthrene, 2,5...	12.45	3.5	ng	206428	4	11.39	1191160	20.0
di-p-Tolylacetylene	12.48	3.2	ng	189332	4	11.39	1191160	20.0
Cyclopenta(def)ph...	12.54	2.3	ng	135986	4	11.39	1191160	20.0
4,4'-Bis(tetrahyd...	12.70	2.6	ng	157164	4	11.39	1191160	20.0
Pyrene, 1-methyl-	13.28	2.0	ng	214309	5	14.05	2093850	20.0
Heptafluorobutyri...	13.87	7.2	ng	748877	5	14.05	2093850	20.0
Perylene	15.22	3.1	ng	176296	6	15.54	1130520	20.0
Benzo[e]pyrene	15.42	14.3	ng	806435	6	15.54	1130520	20.0