LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104573.D
Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	5.010	493	497	505	rBV	92518	113804	4.55%	0.363%
2	5.422	562	567	570	rBV	2576710	2411316	96.33%	7.687%
3	6.063	670	676	680	rBV2	25007	39179	1.57%	0.125%
4	6.445	735	741	752	rBV	2168749	2503103	100.00%	7.980%
5	6.575	759	763	766	rBV	2801317	2450523	97.90%	7.812%
6	6.804	798	802	806	rBV	963575	750672	29.99%	2.393%
7	6.963	824	829	832	rBV	1879003	1742520	69.61%	5.555%
8	7.369	894	898	901	rBV	1660030	1400062	55.93%	4.463%
9	7.904	985	989	993	rVB	36220	31484	1.26%	0.100%
10	8.086	1017	1020	1027	rVB	1099293	937625	37.46%	2.989%
11	9.104	1190	1193	1196	rVB2	33341	28054	1.12%	0.089%
12	9.163	1199	1203	1206	rBV	2591288	2057775	82.21%	6.560%
13	9.239	1213	1216	1219	rBV2	32348	39292	1.57%	0.125%
14	9.357	1234	1236	1242	rVB	23381	28741	1.15%	0.092%
15	9.498	1257	1260	1263	rBV	39874	37710	1.51%	0.120%
16	9.557	1266	1270	1277	rVB	321817	311251	12.43%	0.992%
17	9.704	1292	1295	1299	rBV	203006	161901	6.47%	0.516%
18	9.769	1304	1306	1311	rVB	52243	44363	1.77%	0.141%
19	9.845	1315	1319	1322	rVV	1017210	932576	37.26%	2.973%
20	9.875	1322	1324	1328	rVB	65065	49263	1.97%	0.157%
21	10.004	1341	1346	1348	rBV4	21703	33018	1.32%	0.105%
22	10.045	1348	1353	1357	rVV4	25831	43415	1.73%	0.138%
23	10.086	1357	1360	1363	rVV3	27838	27897	1.11%	0.089%
24	10.151	1369	1371	1374	rBV2	30593	33346	1.33%	0.106%
25	10.245	1383	1387	1389	rBV3	42978	49183	1.96%	0.157%
26	10.269	1389	1391	1393	rVB	73143	51154	2.04%	0.163%
27	10.298	1393	1396	1398	rBV	48058	39496	1.58%	0.126%
28	10.386	1409	1411	1417	rVB3	26214	43362	1.73%	0.138%
29	10.486	1424	1428	1435	rVB4	29458	62293	2.49%	0.199%
30	10.633	1447	1453	1457	rBV	1532090	1392668	55.64%	4.440%
31	10.757	1468	1474	1476	rBV3	66629	112371	4.49%	0.358%
32	10.810	1481	1483	1486	rBV2	25466	31903	1.27%	0.102%
33	10.939	1501	1505	1508	rBV2	46019	68848	2.75%	0.219%
34	11.092	1528	1531	1537	rVB	56098	53567	2.14%	0.171%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.192	1545	1548	1550	rBV4	33010	32261	1.29%	0.103%
36	11.222	1550	1553	1560	rVB3	60833	89168	3.56%	0.284%
37	11.333	1568	1572	1574	rBV	989795	862052	34.44%	2.748%
38	11.357	1574	1576	1581	rVV	151941	137616	5.50%	0.439%
39	11.404	1581	1584	1587	rVB	165607	139633	5.58%	0.445%
40	11.439	1587	1590	1593	rBV2	30683	41305	1.65%	0.132%
41	11.563	1609	1611	1616	rBV5	14612	27424	1.10%	0.087%
42	11.621	1619	1621	1624	rVV2	38360	38008	1.52%	0.121%
43	11.663	1625	1628	1632	rVB	64547	55636	2.22%	0.177%
44	11.745	1640	1642	1646	rVB	30683	34934	1.40%	0.111%
45	11.833	1654	1657	1659	rBV	146852	123113	4.92%	0.392%
46	11.863	1659	1662	1665	rVV	75167	74224	2.97%	0.237%
47	11.910	1667	1670	1673	rVV	144861	150591	6.02%	0.480%
48	11.945	1673	1676	1679	rVV2	227807	300385	12.00%	0.958%
49	11.969	1679	1680	1684	rVB	116884	68924	2.75%	0.220%
50	12.021	1686	1689	1694	rBV5	25569	39560	1.58%	0.126%
51	12.110	1701	1704	1706	rBV2	120125	136563	5.46%	0.435%
52	12.127	1706	1707	1710	rVV	119965	90717	3.62%	0.289%
53	12.163	1710	1713	1718	rVB3	51189	53885	2.15%	0.172%
54	12.274	1727	1732	1735	rBV3	151185	165552	6.61%	0.528%
55	12.310	1735	1738	1740	rBV	49008	40477	1.62%	0.129%
56	12.380	1747	1750	1754	rBV2	147911	181232	7.24%	0.578%
57	12.421	1754	1757	1759	rVV2	95450	99060	3.96%	0.316%
58	12.480	1763	1767	1769	rBV3	50267	80119	3.20%	0.255%
59	12.545	1775	1778	1781	rBV	459788	396708	15.85%	1.265%
60	12.586	1782	1785	1788	rVV2	162127	156403	6.25%	0.499%
61	12.639	1791	1794	1797	rVB	149544	129483	5.17%	0.413%
62	12.716	1802	1807	1812	rVB2	138163	179472	7.17%	0.572%
63	12.774	1812	1817	1820	rBV	621838	625352	24.98%	1.994%
64	12.833	1824	1827	1830	rBV2	93592	91092	3.64%	0.290%
65	12.892	1834	1837	1838	rBV2	48760	55261	2.21%	0.176%
66	12.921	1838	1842	1845	rVB	1722672	1590462	63.54%	5.071%
67	12.992	1851	1854	1858	rBV	119314	149851	5.99%	0.478%
68	13.057	1862	1865	1867	rVV	234486	220101	8.79%	0.702%
69	13.104	1870	1873	1878	rVB	270391	286746	11.46%	0.914%
70	13.151	1878	1881	1882	rBV2	28399	30229	1.21%	0.096%
71	13.168	1882	1884	1888	rVV	206272	186144	7.44%	0.593%

LSC Area Percent Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.210	1888	1891	1898	rVB	184426	211672	8.46%	0.675%
73	13.274	1898	1902	1905	rBV	239413	276838	11.06%	0.883%
74	13.304	1905	1907	1909	rVV	156011	151187	6.04%	0.482%
75	13.333	1909	1912	1916	rVV	193879	193416	7.73%	0.617%
76	13.386	1918	1921	1923	rVV	41322	45191	1.81%	0.144%
77	13.421	1923	1927	1931	rVB	318303	293338	11.72%	0.935%
78	13.586	1952	1955	1957	rBV2	69159	79471	3.17%	0.253%
79	13.710	1973	1976	1977	rBV3	42856	49074	1.96%	0.156%
80	13.727	1977	1979	1981	rVV	90060	78507	3.14%	0.250%
81	13.751	1981	1983	1985	rVV	89751	74870	2.99%	0.239%
82	13.774	1985	1987	1990	rVV	80865	88263	3.53%	0.281%
83	13.810	1991	1993	1997	rVB3	82180	84607	3.38%	0.270%
84	13.974	2016	2021	2024	rBV2	1011160	1408961	56.29%	4.492%
85	14.004	2024	2026	2032	rVB	461884	400727	16.01%	1.278%
86	14.298	2074	2076	2079	rBV2	42311	51432	2.05%	0.164%
87	14.327	2079	2081	2083	rVV	70217	71285	2.85%	0.227%
88	14.368	2085	2088	2091	rVV	209192	230864	9.22%	0.736%
89	14.398	2091	2093	2096	rVB2	98011	93662	3.74%	0.299%
90	14.492	2107	2109	2111	rBV2	86686	76600	3.06%	0.244%
91	14.515	2111	2113	2117	rVB2	122241	101648	4.06%	0.324%
92	14.821	2163	2165	2169	rBV2	66524	62127	2.48%	0.198%
93	15.021	2195	2199	2201	rBV	194179	292341	11.68%	0.932%
94	15.121	2213	2216	2220	rBV	102938	120660	4.82%	0.385%
95	15.315	2245	2249	2255	rBV	173090	220123	8.79%	0.702%
96	15.380	2256	2260	2266	rVV	318689	415152	16.59%	1.324%
97	15.445	2266	2271	2282	rVB	518426	800594	31.98%	2.552%
98	16.886	2512	2516	2522	rBV2	67868	120861	4.83%	0.385%

Sum of corrected areas: 31366949

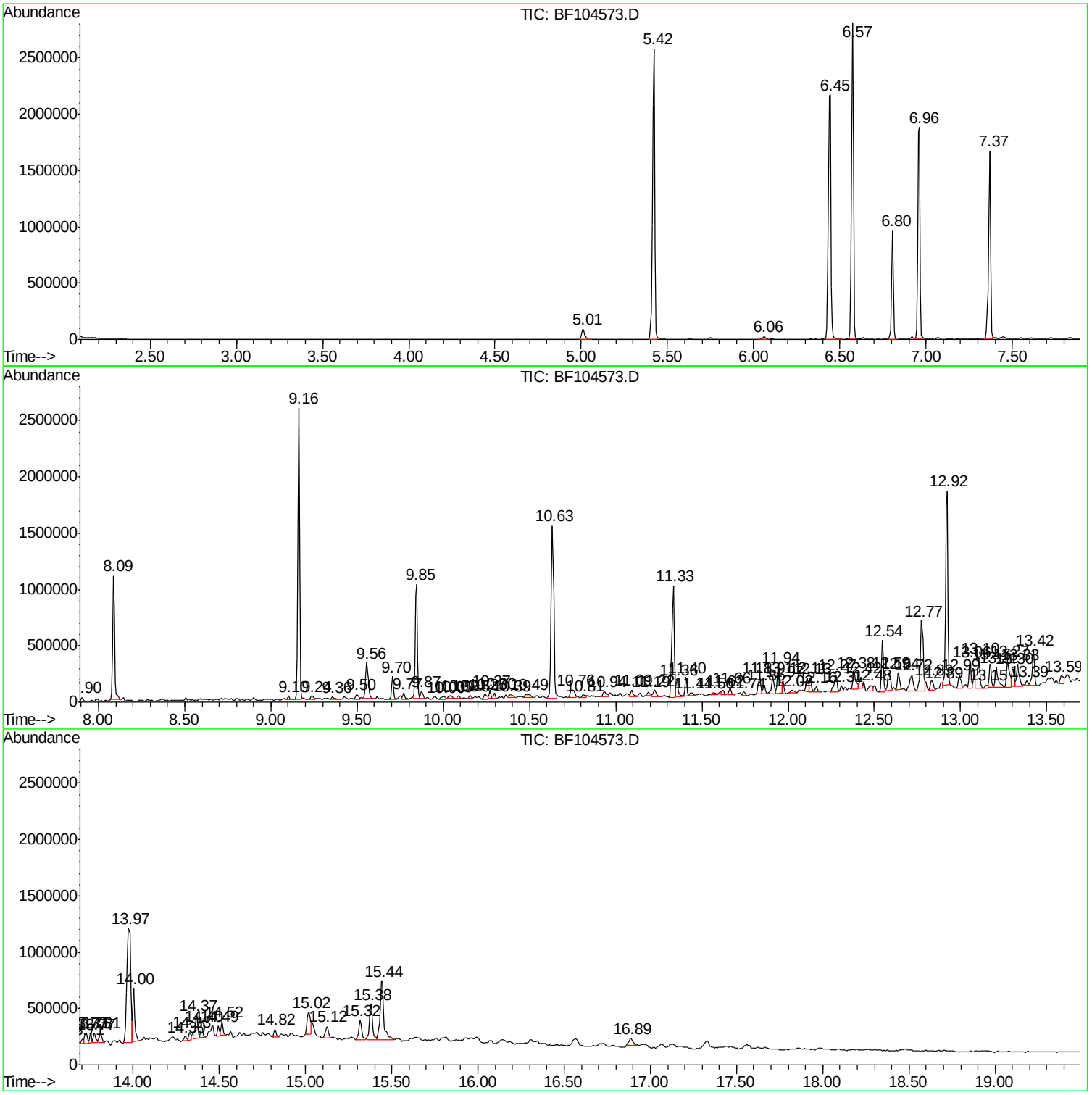
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104573.D
Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104573.D
Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

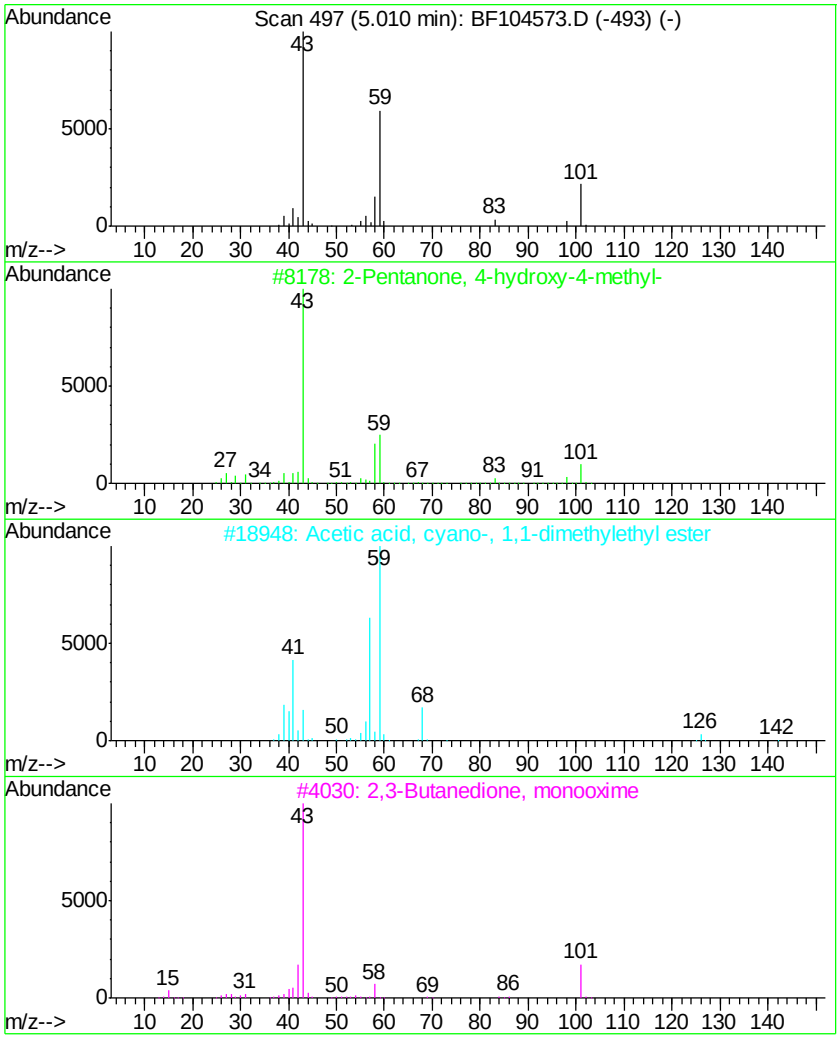
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

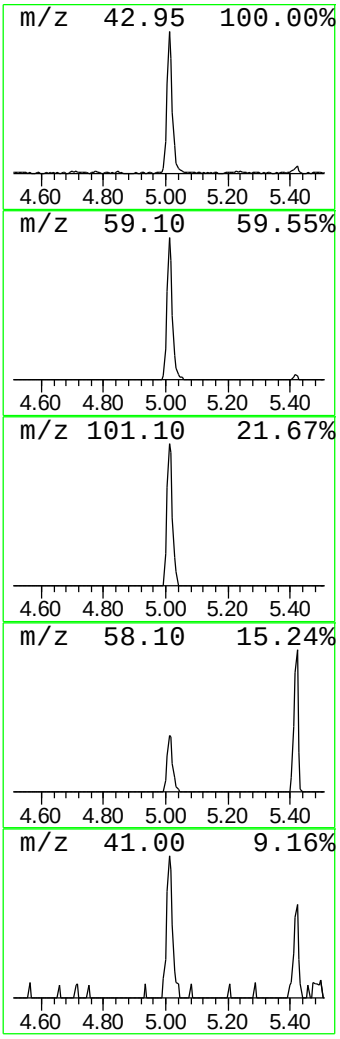
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	3.03 ng	113804	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





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Operator : JU/SJ
Sample : J2387-03
Misc :
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Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

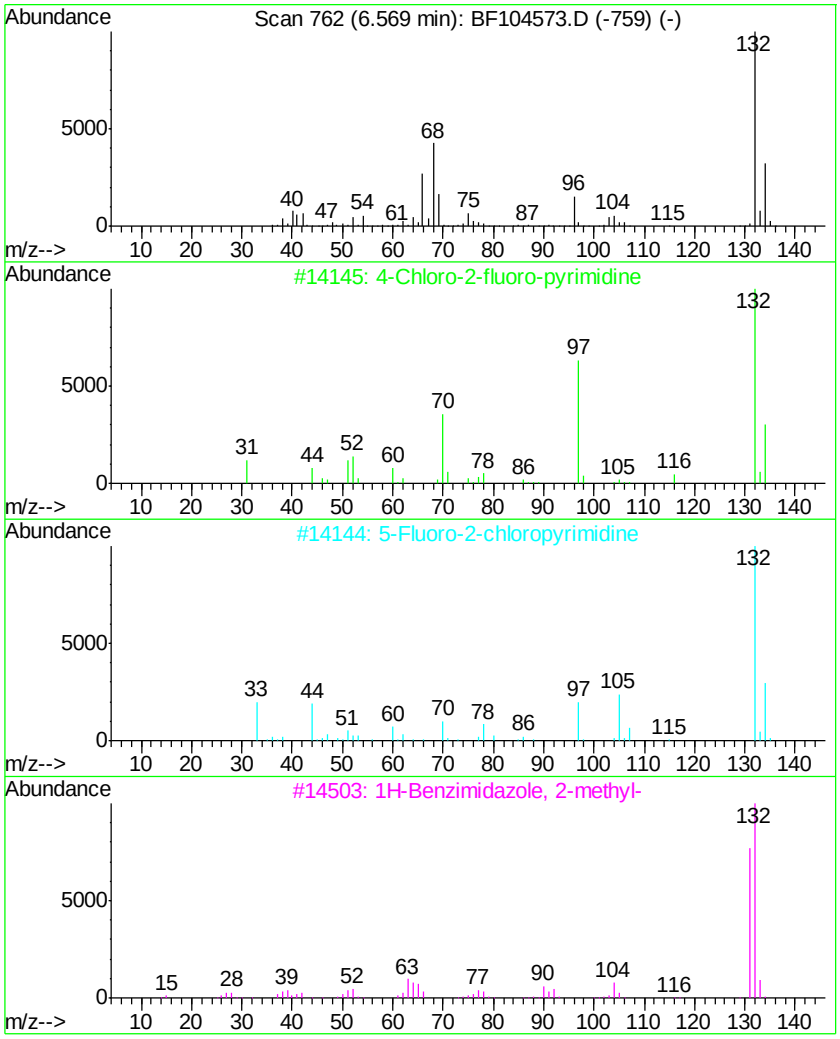
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

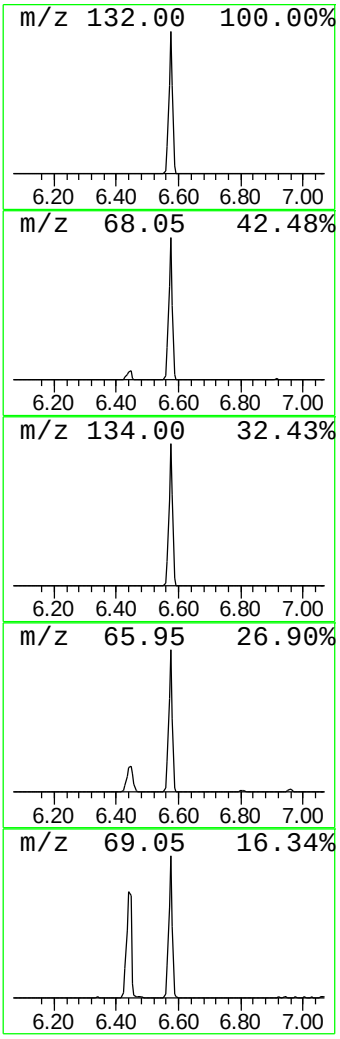
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	65.29 ng	2450520	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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Acq On : 17 Apr 2018 20:37
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Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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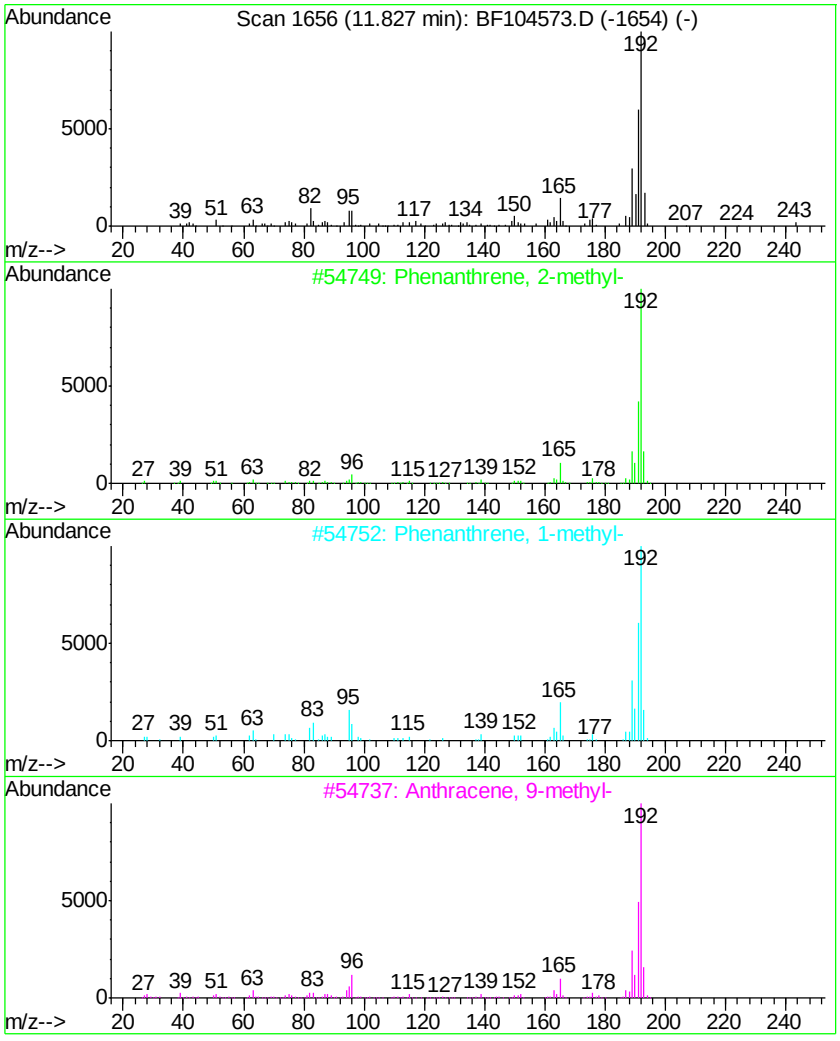
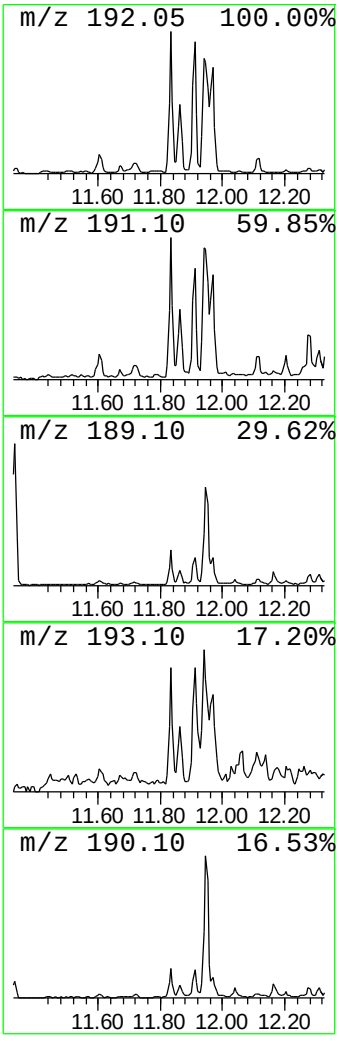
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.86 ng	123113	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

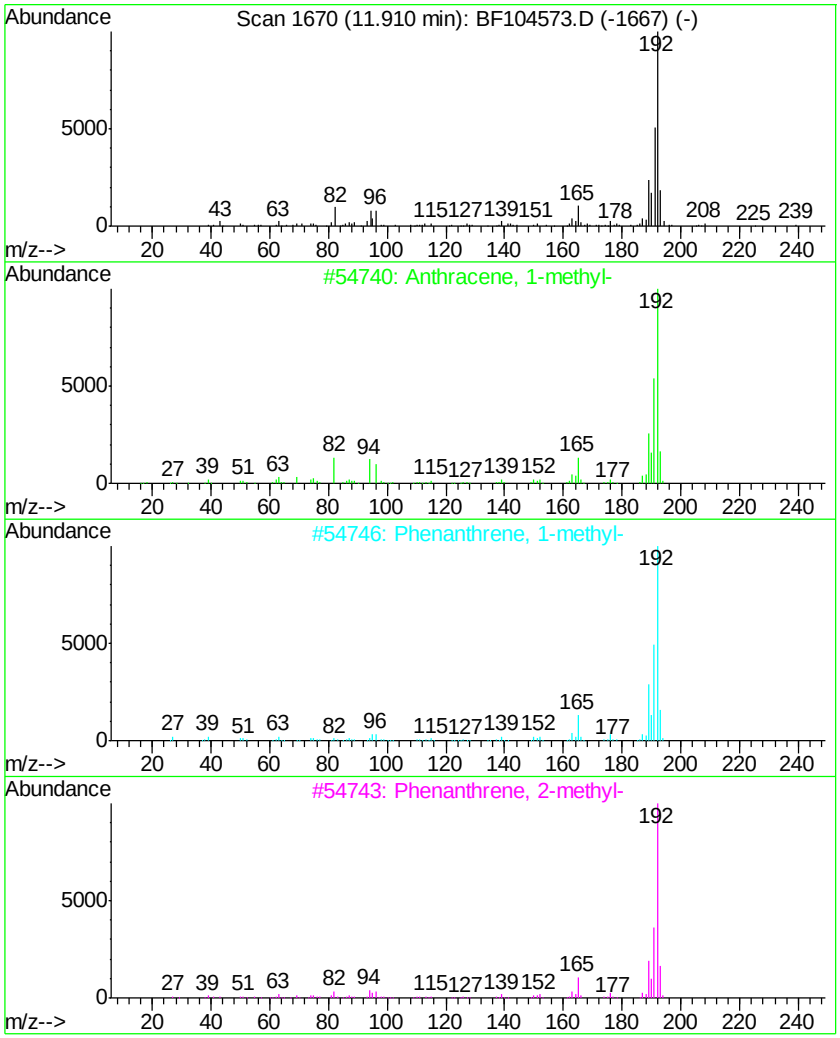
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

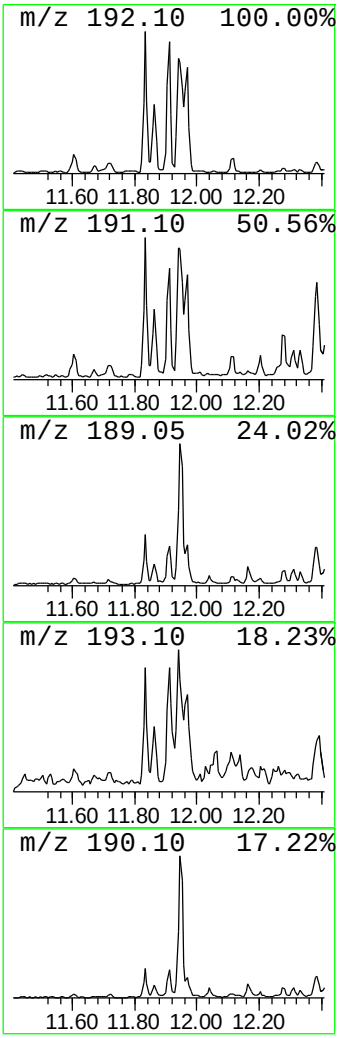
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.49 ng	150591	Phenanthrene-d10	11.33

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Data File : BF104573.D
Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

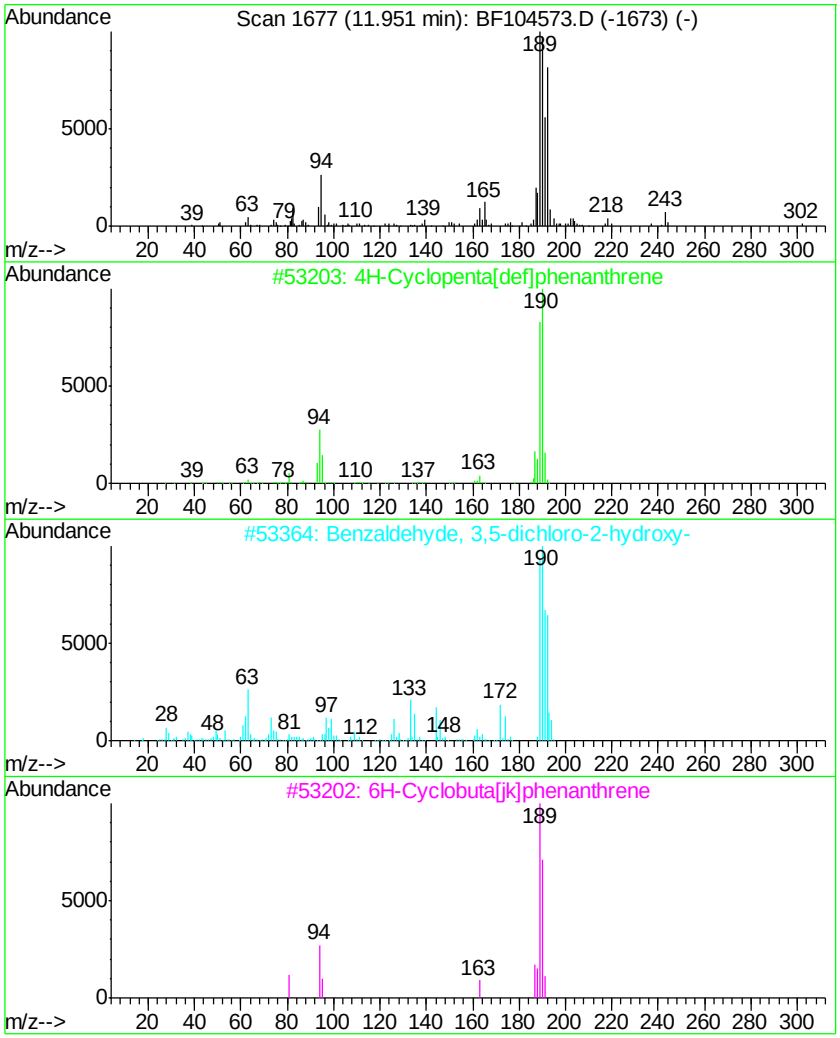
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

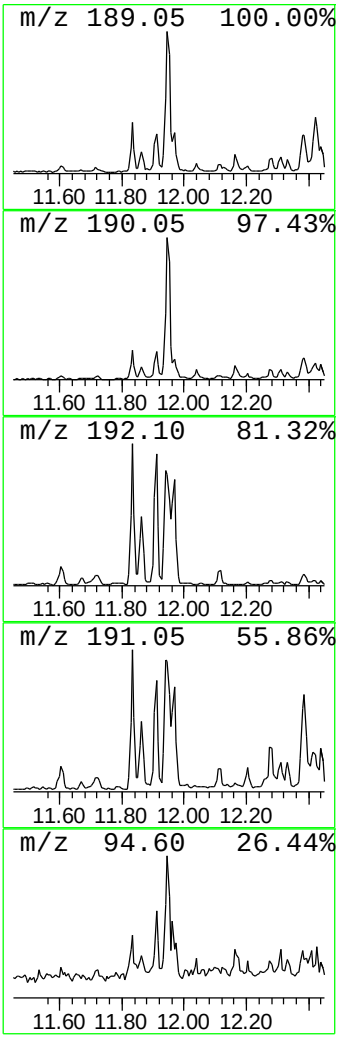
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.97 ng	300385	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104573.D
Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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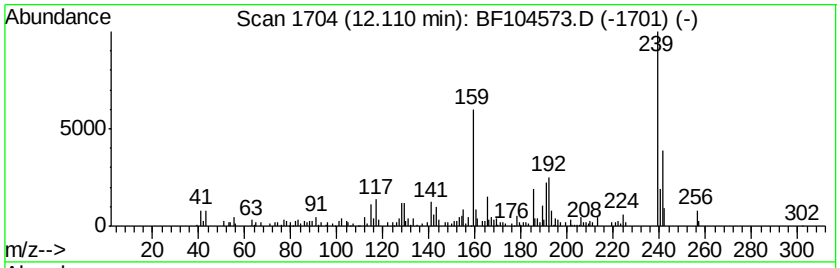
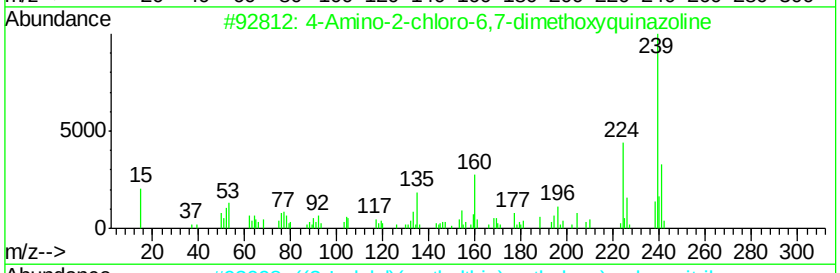
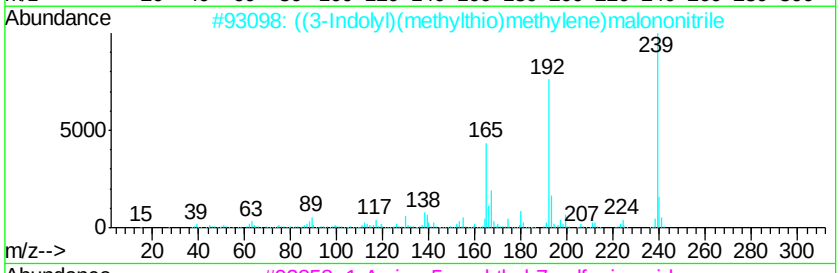
Peak Number 7 unknown12.11 Concentration Rank 12

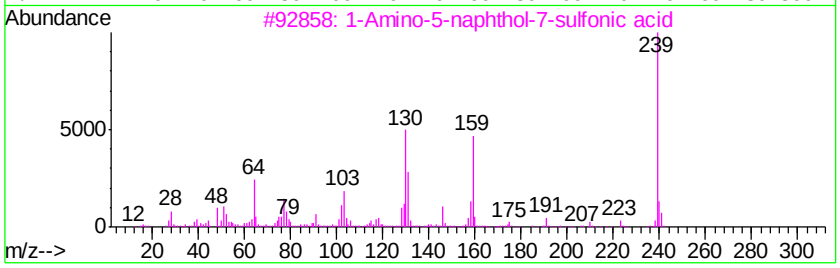
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.17 ng	136563	Phenanthrene-d10	11.33

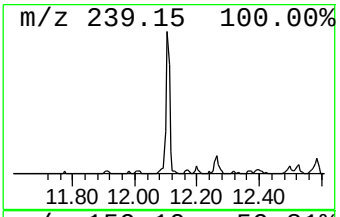
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-2-chloro-6,7-dimethoxyqu...	239	C10H10ClN3O2	023680-84-4	43
2	((3-Indolyl)(methylthio)methylen...	239	C13H9N3S	018374-66-8	43
3	1-Amino-5-naphthol-7-sulfonic acid	239	C10H9NO4S	000489-78-1	38
4	2-(p-Acetylanilino)tropone	239	C15H13NO2	1000241-52-9	27
5	5-Nitro-3-phenyl-1H-indazole	239	C13H9N3O2	293758-67-5	27

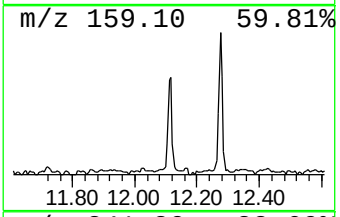


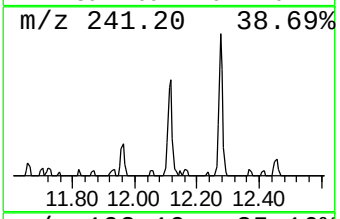


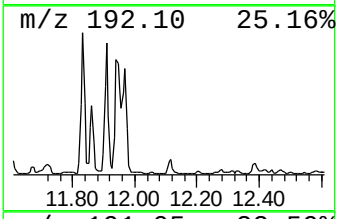


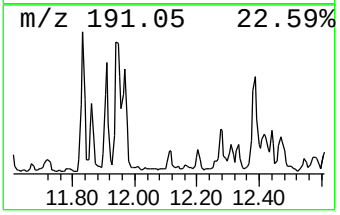












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Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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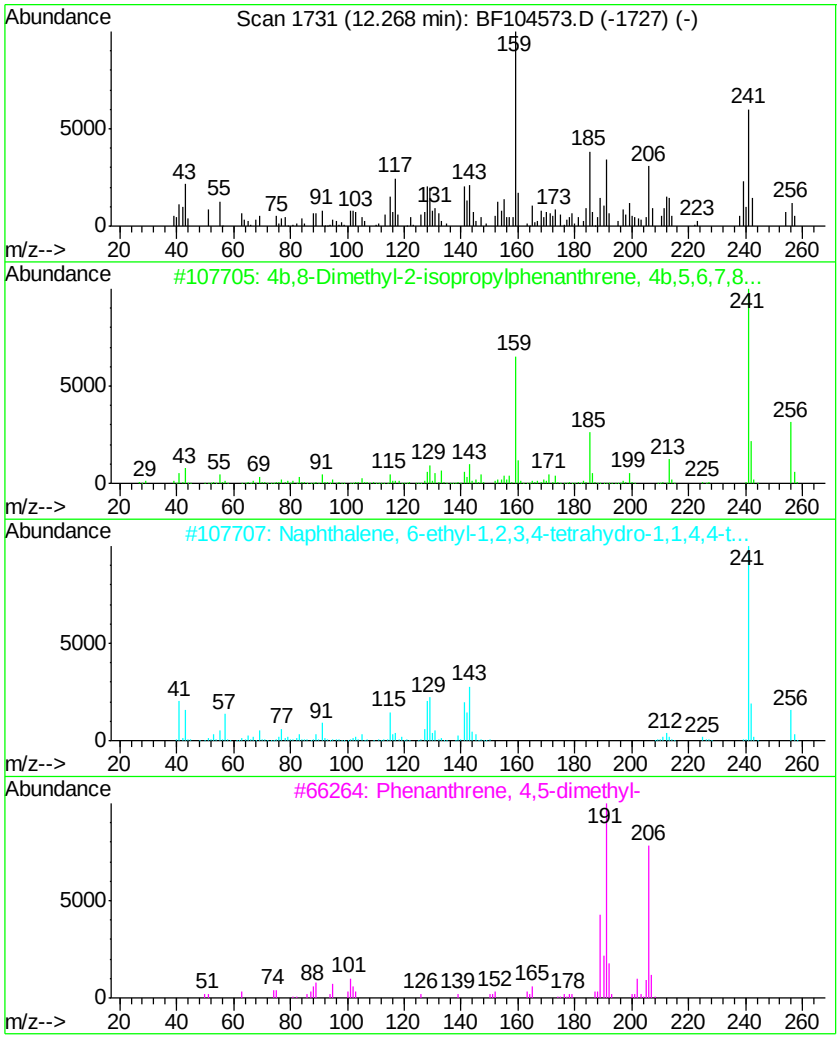
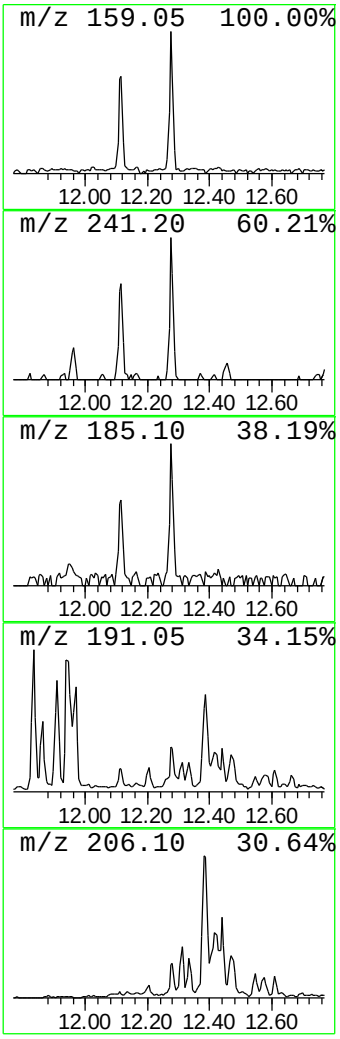
Peak Number 8 4b,8-Dimethyl-2-isopropylph... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.84 ng	165552	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	51
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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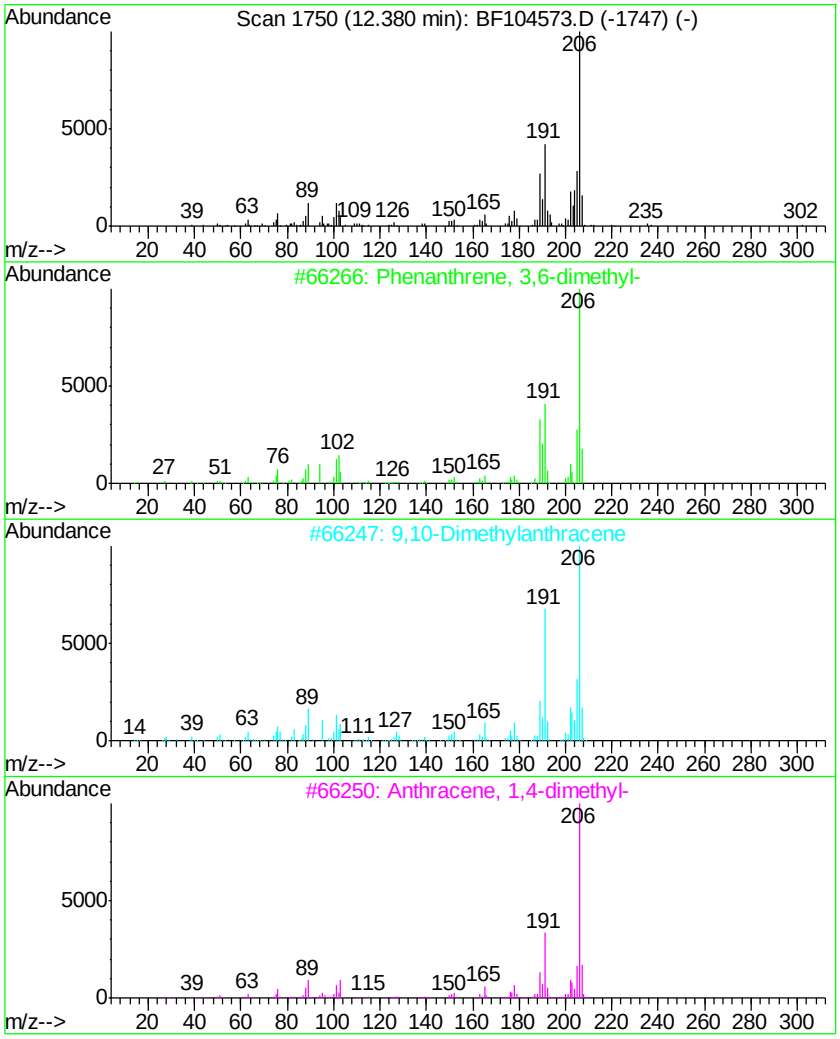
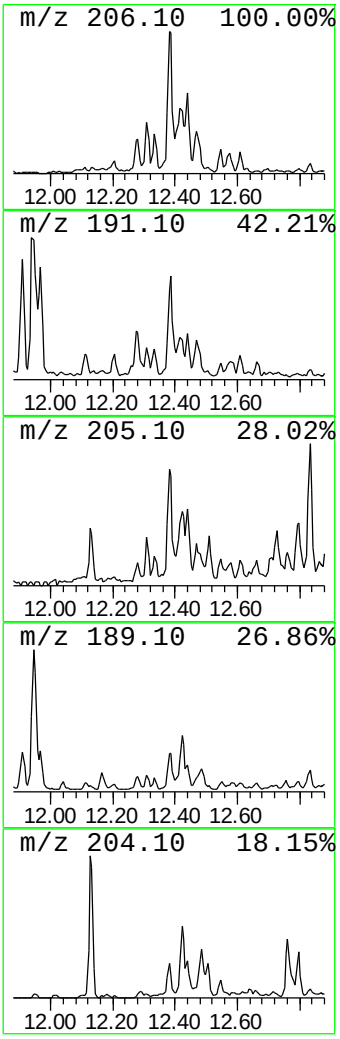
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.20 ng	181232	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : 20180241-COMPOSITE-C

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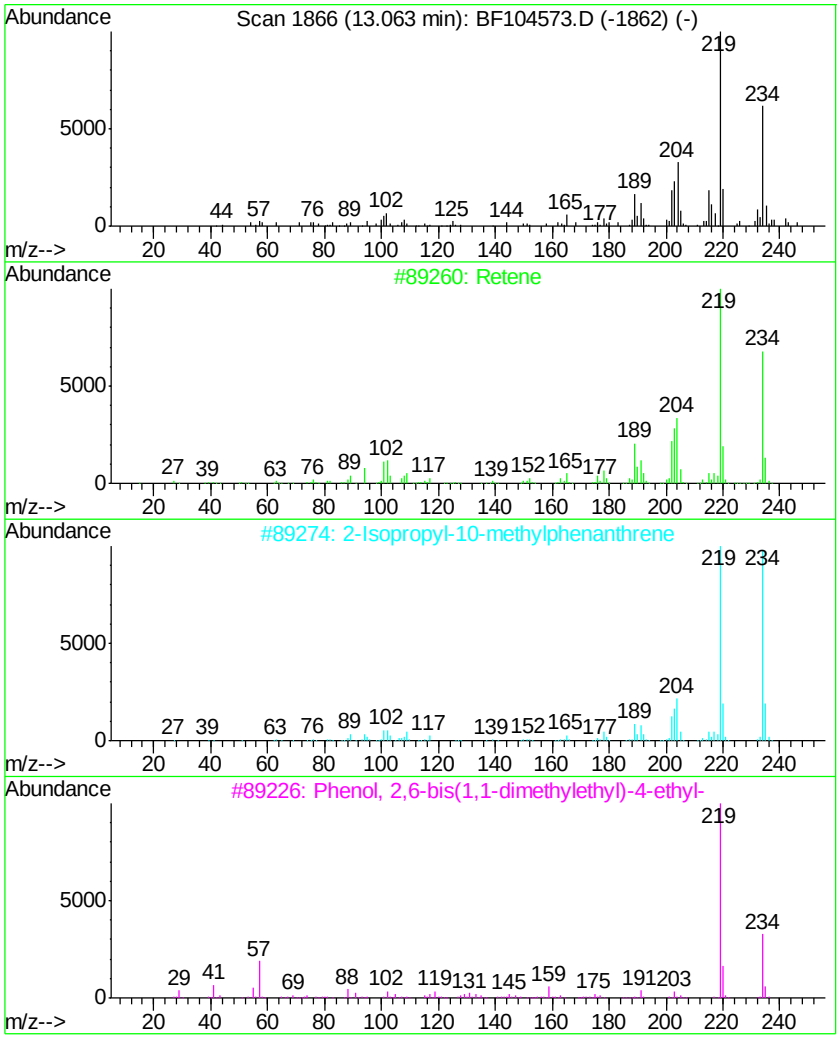
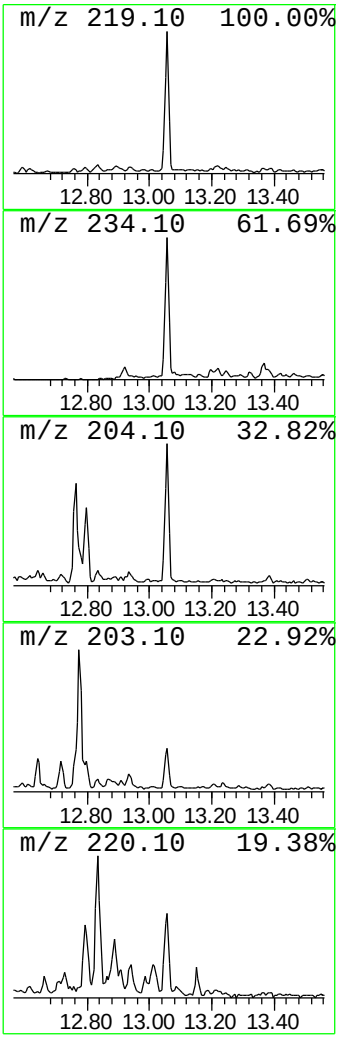
Peak Number 11 Retene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.12 ng	220101	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	52
4	1-Ethanone, 1-(4-amino-7-chloro-...	234	C12H11ClN2O	1000350-06-0	52
5	2-[[1-(4-Methylphenyl)ethylidene...	234	C16H14N2	1000326-46-0	52





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ClientSampleId : 20180241-COMPOSITE-C

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TIC Integration Parameters: LSCINT.P

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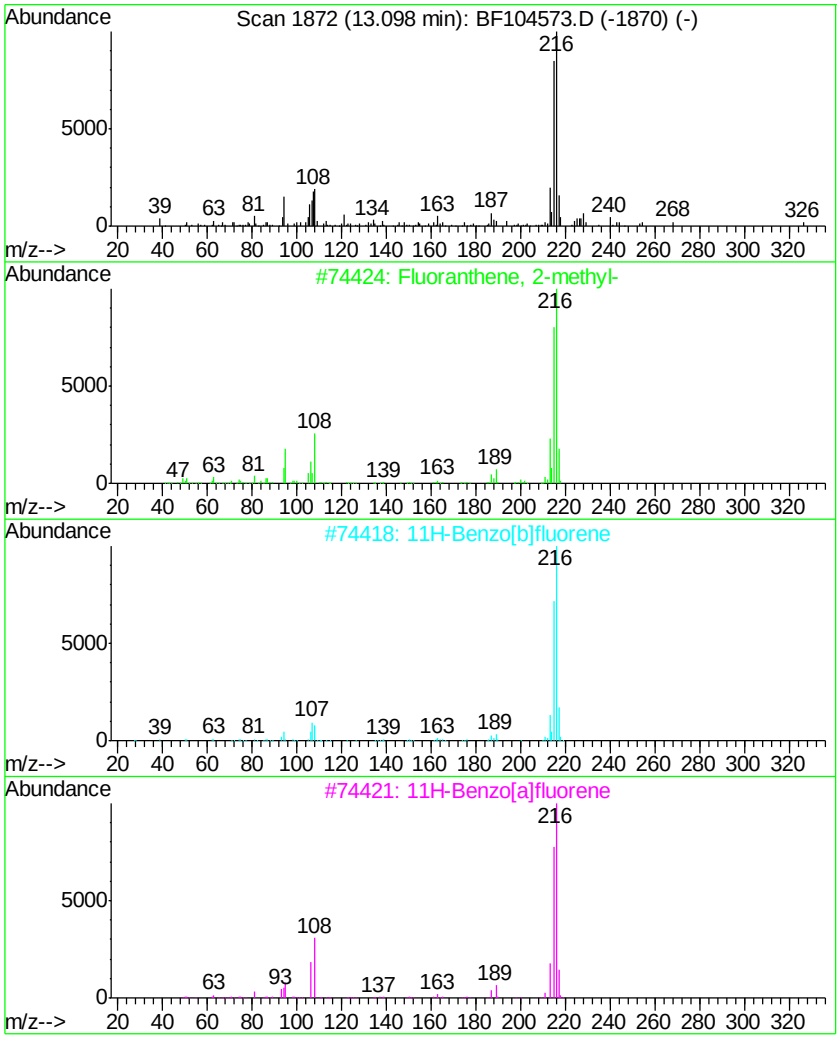
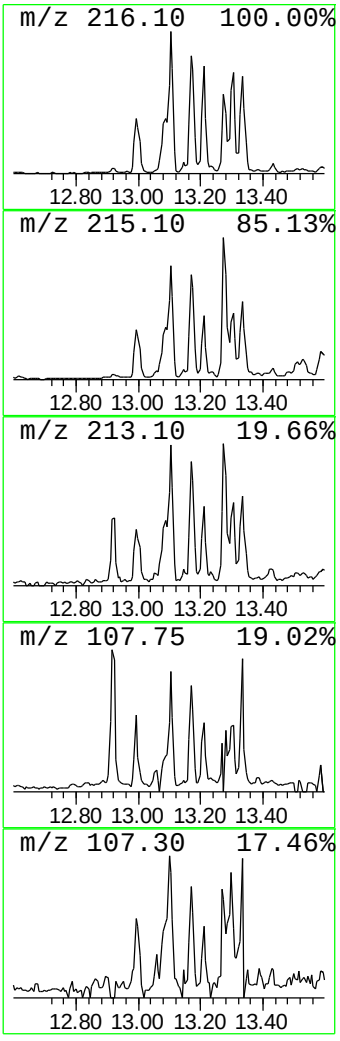
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	4.07 ng	286746	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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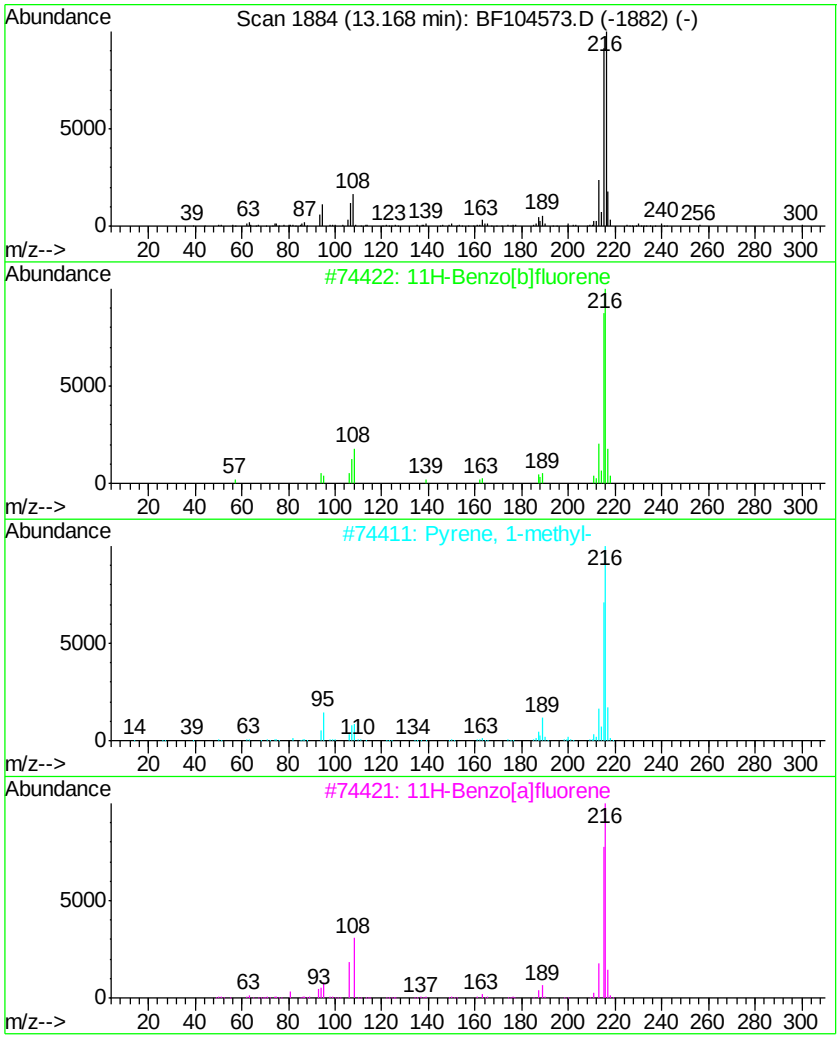
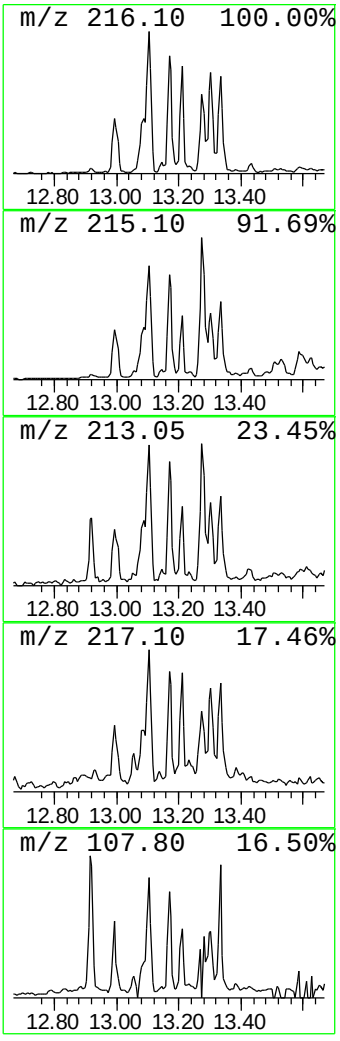
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.64 ng	186144	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	52





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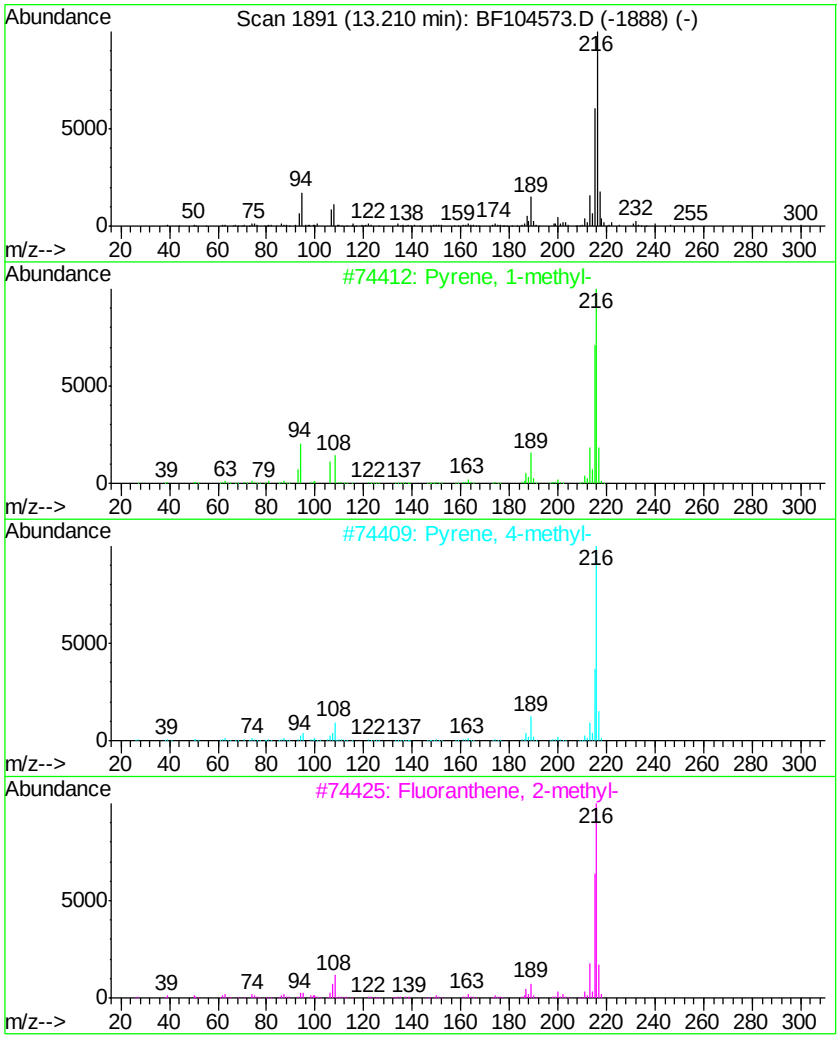
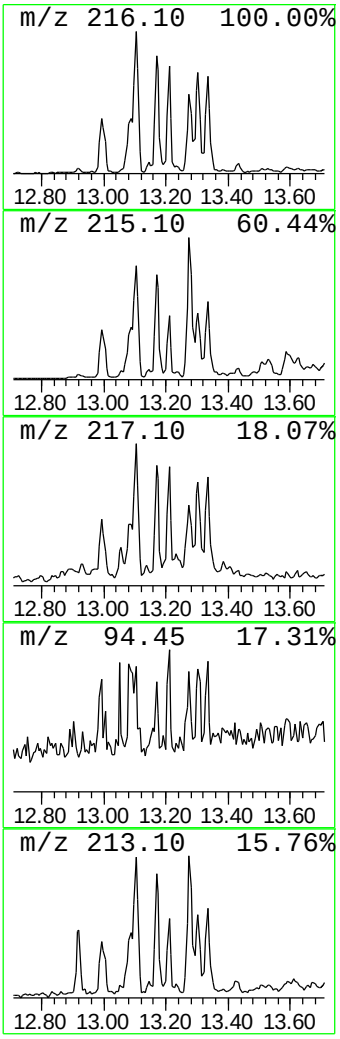
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	3.00 ng	211672	Chrysene-d12	13.98

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	94
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	90





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ALS Vial : 14 Sample Multiplier: 1

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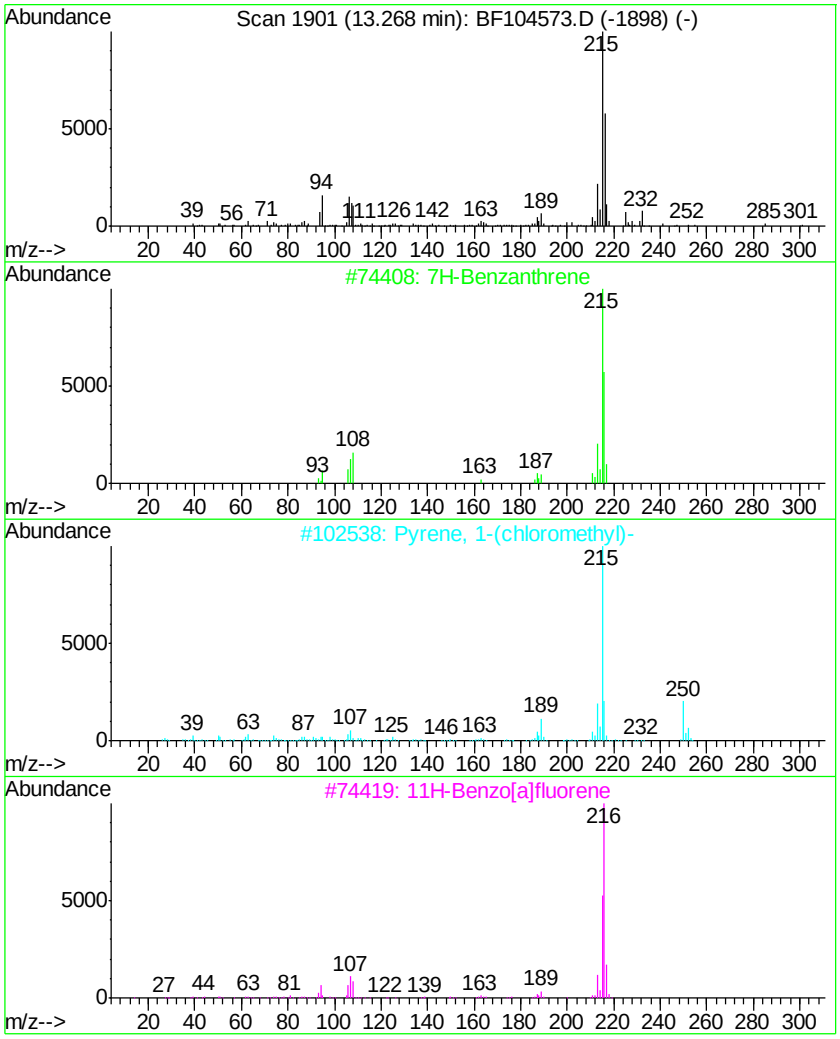
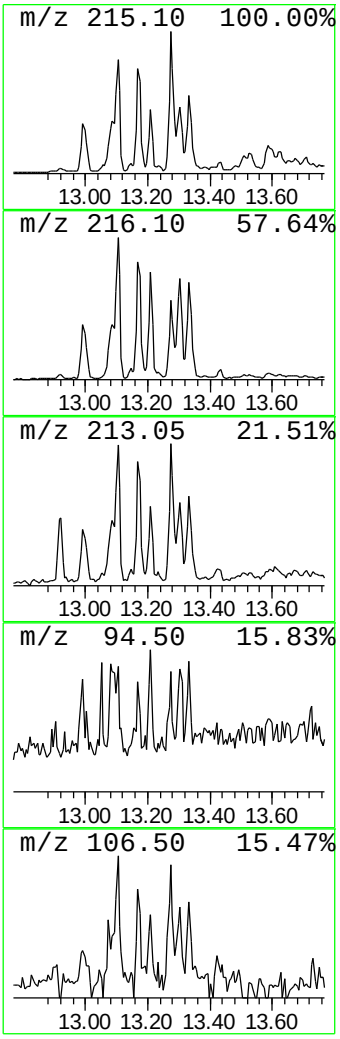
Peak Number 15 7H-Benzanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.93 ng	276838	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzanthrene	216	C17H12	000199-94-0	55
2	Pyrene, 1-(chloromethyl)-	250	C17H11Cl	001086-00-6	50
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	50
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	47
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	43





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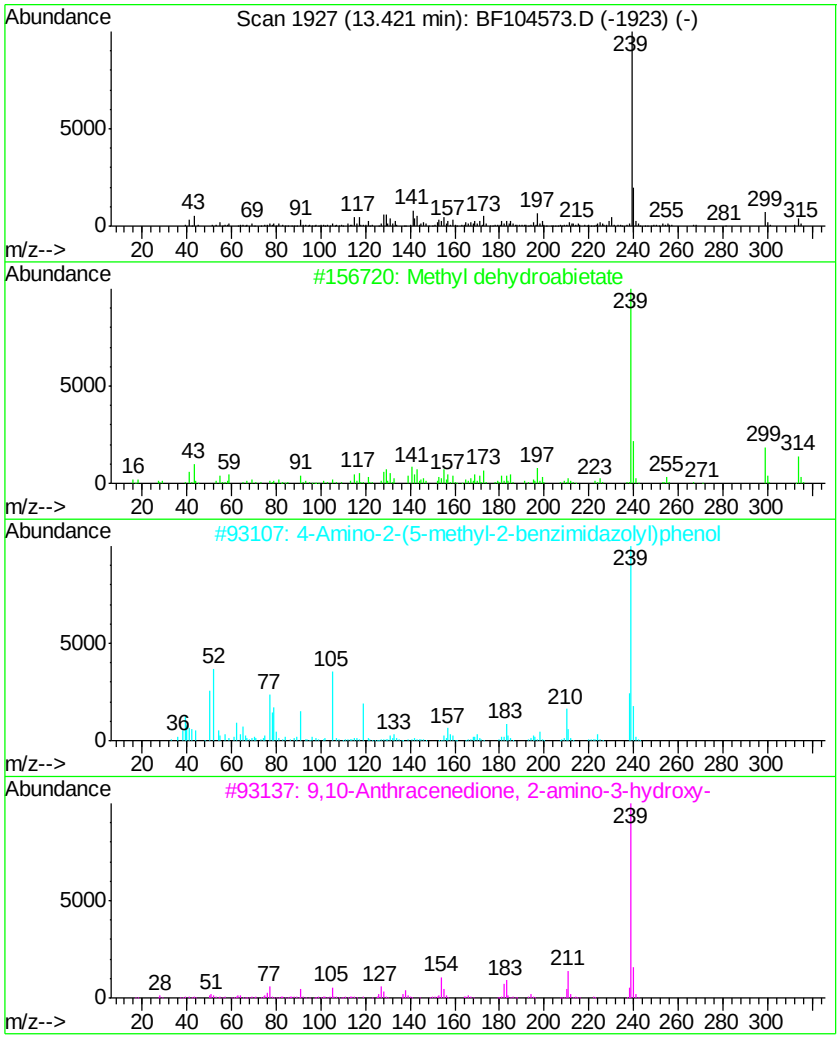
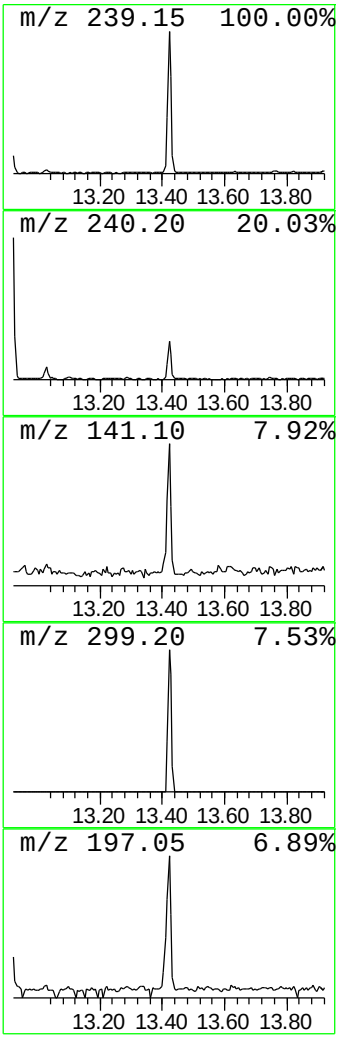
Peak Number 17 Methyl dehydroabietate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	4.16 ng	293338	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	95
2	4-Amino-2-(5-methyl-2-benzimidaz...	239	C14H13N3O	1000258-88-5	64
3	9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	64
4	trans-1,2-Bis(methyldichlorosilv...	252	C4H8Cl4Si2	065899-10-7	58
5	Phthalic acid, di(3-methylphenyl...	346	C22H18O4	1000315-37-3	53





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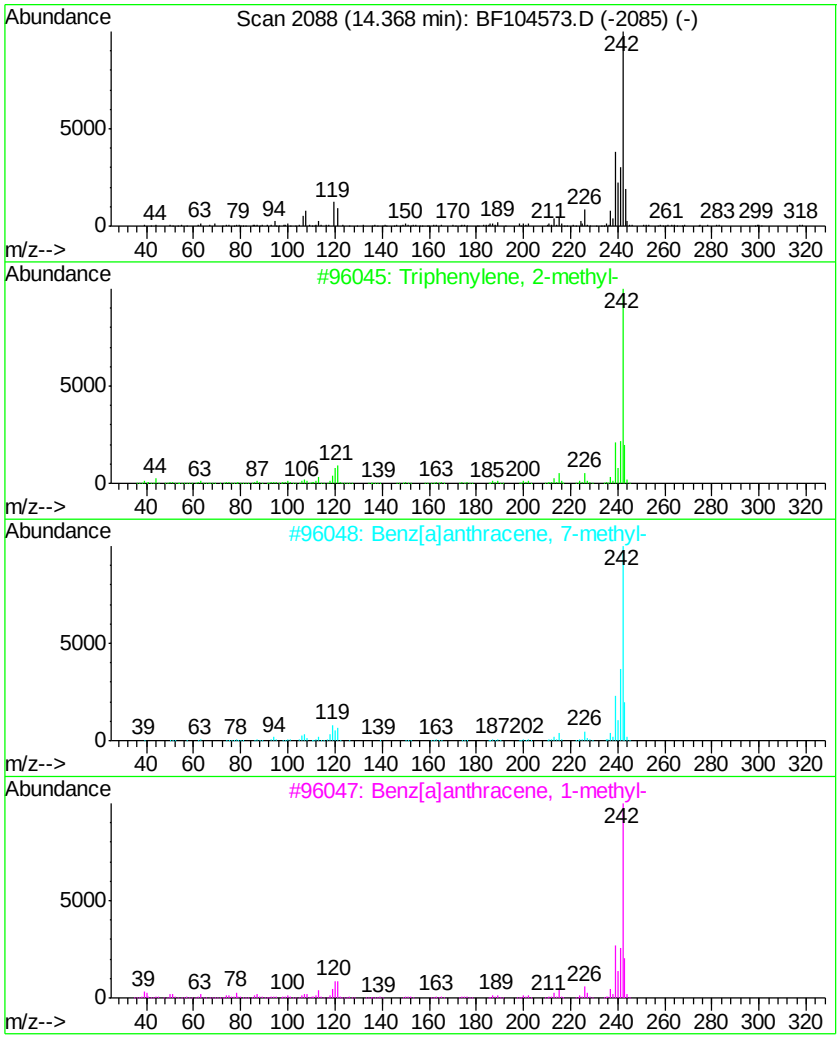
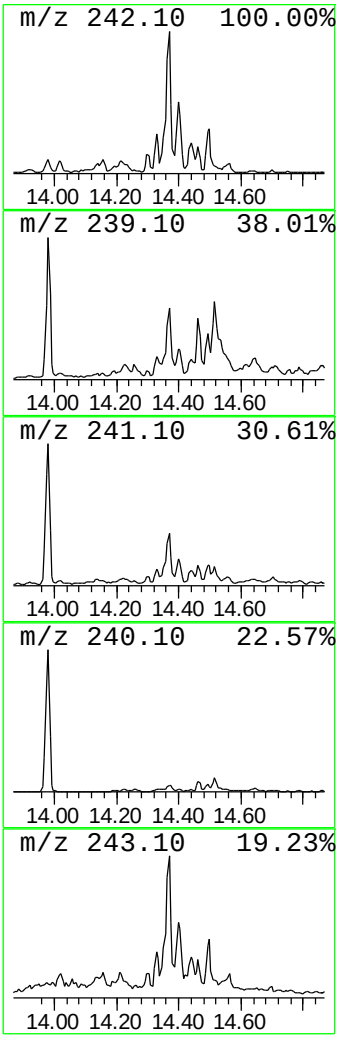
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	3.28 ng	230864	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86
5	Benzo[c]phenanthrene, 3-methyl-	242	C19H14	002381-19-3	76





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Instrument : BNA_F
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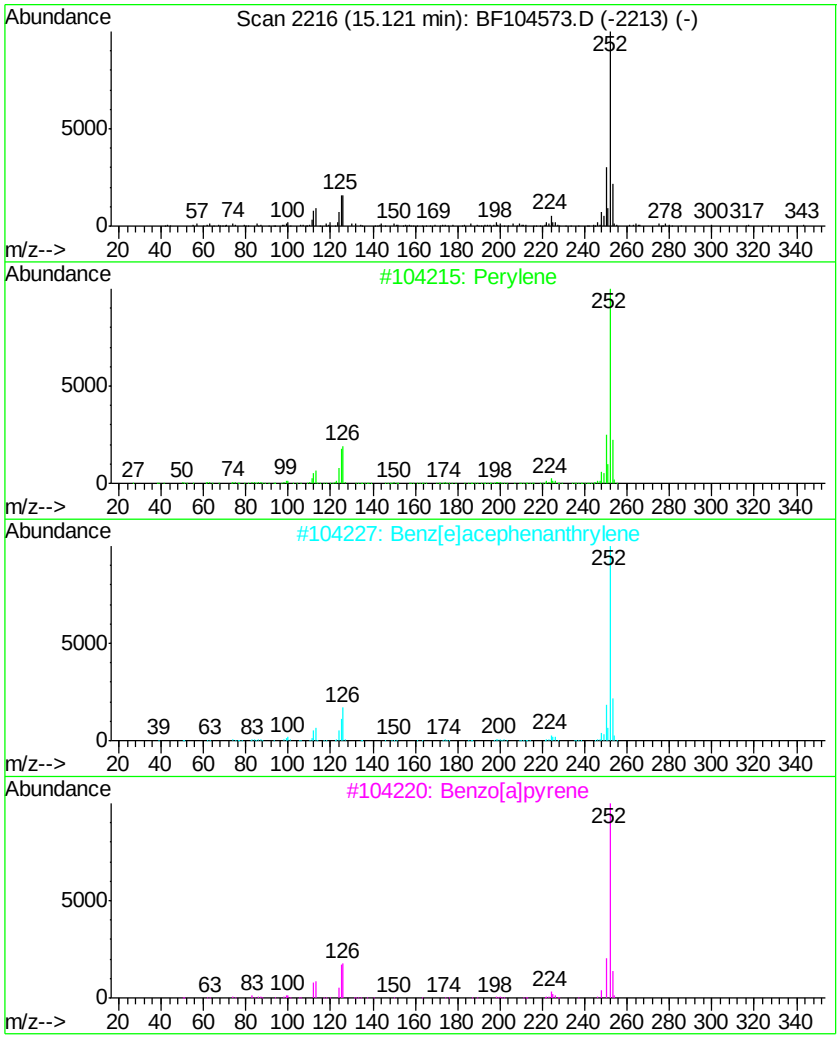
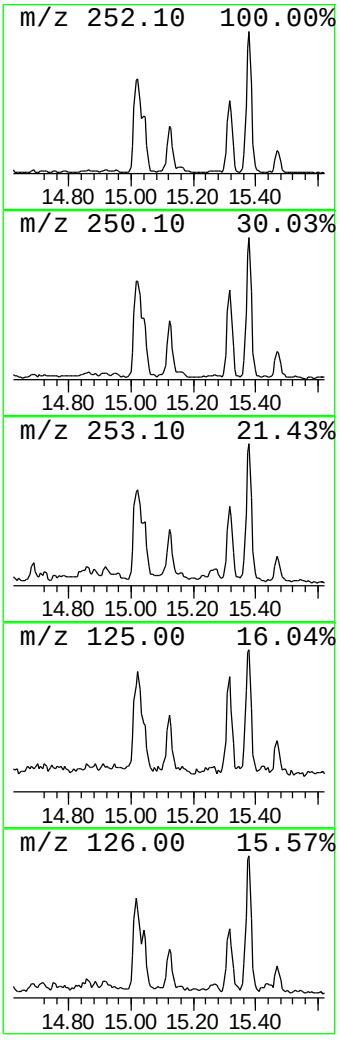
Peak Number 19 Perylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.01 ng	120660	Perylene-d12	15.44

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041718\
Data File : BF104573.D
Acq On : 17 Apr 2018 20:37
Operator : JU/SJ
Sample : J2387-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20180241-COMPOSITE-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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...	5.01	3.0	ng	113804	1	6.80	750672	20.0
unknown6.57	6.57	65.3	ng	2450520	1	6.80	750672	20.0
Phenanthrene, 2-m...	11.83	2.9	ng	123113	4	11.33	862052	20.0
Anthracene, 1-met...	11.91	3.5	ng	150591	4	11.33	862052	20.0
4H-Cyclopenta[def...	11.95	7.0	ng	300385	4	11.33	862052	20.0
unknown12.11	12.11	3.2	ng	136563	4	11.33	862052	20.0
4b,8-Dimethyl-2-i...	12.27	3.8	ng	165552	4	11.33	862052	20.0
Phenanthrene, 3,6...	12.38	4.2	ng	181232	4	11.33	862052	20.0
Retene	13.06	3.1	ng	220101	5	13.98	1408960	20.0
Fluoranthene, 2-m...	13.10	4.1	ng	286746	5	13.98	1408960	20.0
11H-Benzo[b]fluorene	13.17	2.6	ng	186144	5	13.98	1408960	20.0
Pyrene, 1-methyl-	13.21	3.0	ng	211672	5	13.98	1408960	20.0
7H-Benzanthrene	13.27	3.9	ng	276838	5	13.98	1408960	20.0
Methyl dehydroabi...	13.42	4.2	ng	293338	5	13.98	1408960	20.0
Triphenylene, 2-m...	14.37	3.3	ng	230864	5	13.98	1408960	20.0
Perylene	15.12	3.0	ng	120660	6	15.44	800594	20.0