LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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-BF012218.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	4.916	478	481	491	rVB	111089	158880	3.97%	0.230%
2	5.328	547	551	570	rBV	3544311	3802103	94.91%	5.513%
3	6.363	722	727	743	rBV	3579525	4006128	100.00%	5.809%
4	6.487	743	748	751	rBV	4068051	3782671	94.42%	5.485%
5	6.710	783	786	793	rBV	1181016	1024714	25.58%	1.486%
6	6.869	809	813	816	rBV	3050323	2776942	69.32%	4.026%
7	7.281	879	883	898	rBV	2434060	2581294	64.43%	3.743%
8	7.998	1001	1005	1022	rVB	1353918	1469338	36.68%	2.130%
9	9.069	1183	1187	1197	rBV	3574981	3402734	84.94%	4.934%
10	9.410	1240	1245	1248	rBV3	58645	79168	1.98%	0.115%
11	9.469	1251	1255	1261	rVB	383279	404406	10.09%	0.586%
12	9.610	1276	1279	1287	rBV	553157	497733	12.42%	0.722%
13	9.675	1287	1290	1293	rVV	190749	146222	3.65%	0.212%
14	9.745	1298	1302	1306	rVV	1550479	1512003	37.74%	2.192%
15	9.780	1306	1308	1315	rVB	137518	124614	3.11%	0.181%
16	9.957	1335	1338	1341	rVV2	97153	108727	2.71%	0.158%
17	9.992	1341	1344	1348	rVB2	81034	76638	1.91%	0.111%
18	10.175	1372	1375	1378	rVB	227822	192088	4.79%	0.279%
19	10.298	1393	1396	1401	rVB	141872	161030	4.02%	0.233%
20	10.386	1408	1411	1417	rBV3	51341	93225	2.33%	0.135%
21	10.545	1434	1438	1448	rVB	2105699	2291262	57.19%	3.322%
22	10.645	1452	1455	1464	rVB2	229520	300435	7.50%	0.436%
23	10.845	1484	1489	1492	rBV4	83958	116646	2.91%	0.169%
24	10.969	1506	1510	1512	rBV3	77829	81935	2.05%	0.119%
25	10.992	1512	1514	1520	rVV3	78454	101156	2.53%	0.147%
26	11.045	1520	1523	1527	rVV	153285	156120	3.90%	0.226%
27	11.092	1527	1531	1533	rVV2	190421	197415	4.93%	0.286%
28	11.127	1533	1537	1544	rVB2	136153	194209	4.85%	0.282%
29	11.233	1551	1555	1557	rBV	1521895	1407025	35.12%	2.040%
30	11.263	1557	1560	1563	rVV	2051451	1926490	48.09%	2.793%
31	11.310	1565	1568	1571	rVV	536119	487641	12.17%	0.707%
32	11.351	1571	1575	1580	rVB3	90003	132232	3.30%	0.192%
33	11.474	1591	1596	1601	rBV2	261530	336206	8.39%	0.487%
34	11.521	1601	1604	1609	rVV3	109841	150561	3.76%	0.218%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.574	1609	1613	1616	rVB4	62473	98770	2.47%	0.143%
36	11.733	1637	1640	1643	rBV	420259	372517	9.30%	0.540%
37	11.763	1643	1645	1649	rVB	554768	466833	11.65%	0.677%
38	11.810	1650	1653	1656	rBV	158770	144581	3.61%	0.210%
39	11.845	1656	1659	1662	rBV	589887	649740	16.22%	0.942%
40	11.868	1662	1663	1669	rVB	338840	246330	6.15%	0.357%
41	11.921	1669	1672	1675	rBV4	98314	124583	3.11%	0.181%
42	12.033	1688	1691	1694	rBV	237519	228101	5.69%	0.331%
43	12.069	1694	1697	1700	rVB	318110	291140	7.27%	0.422%
44	12.180	1711	1716	1719	rBV3	112803	164702	4.11%	0.239%
45	12.210	1719	1721	1723	rVV	124425	97479	2.43%	0.141%
46	12.239	1723	1726	1729	rVB	83319	78185	1.95%	0.113%
47	12.286	1731	1734	1736	rBV	315049	306501	7.65%	0.444%
48	12.321	1736	1740	1742	rVV2	190631	251147	6.27%	0.364%
49	12.345	1742	1744	1746	rVB	93088	73456	1.83%	0.107%
50	12.380	1746	1750	1753	rBV2	299994	339942	8.49%	0.493%
51	12.451	1758	1762	1766	rBV	2989717	3073334	76.72%	4.456%
52	12.516	1771	1773	1775	rVV2	91347	79838	1.99%	0.116%
53	12.545	1775	1778	1781	rVV	212451	174530	4.36%	0.253%
54	12.598	1783	1787	1789	rVV2	185627	217431	5.43%	0.315%
55	12.627	1789	1792	1795	rVB3	99142	103556	2.58%	0.150%
56	12.680	1795	1801	1806	rBV2	2773486	3343055	83.45%	4.847%
57	12.727	1806	1809	1813	rVB2	187721	216123	5.39%	0.313%
58	12.821	1817	1825	1827	rBV	2886320	2970258	74.14%	4.307%
59	12.839	1827	1828	1832	rVB	257908	195865	4.89%	0.284%
60	12.898	1833	1838	1842	rBV2	256863	438617	10.95%	0.636%
61	13.004	1854	1856	1859	rVB	357303	345985	8.64%	0.502%
62	13.039	1859	1862	1865	rBV3	77470	95082	2.37%	0.138%
63	13.074	1865	1868	1870	rVV	171669	160844	4.01%	0.233%
64	13.110	1870	1874	1878	rVV2	393287	431343	10.77%	0.625%
65	13.163	1881	1883	1886	rBV	72255	70411	1.76%	0.102%
66	13.204	1887	1890	1892	rBV	227057	185937	4.64%	0.270%
67	13.233	1892	1895	1899	rBV2	218002	231051	5.77%	0.335%
68	13.298	1904	1906	1908	rBV2	76623	72261	1.80%	0.105%
69	13.386	1918	1921	1923	rBV4	76566	94690	2.36%	0.137%
70	13.521	1941	1944	1948	rVV	388581	404423	10.10%	0.586%
71	13.627	1958	1962	1964	rVV	390186	400997	10.01%	0.581%

LSC Area Percent Report

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Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.651	1964	1966	1968	rVV	350574	289096	7.22%	0.419%
73	13.680	1968	1971	1974	rVV2	246716	378558	9.45%	0.549%
74	13.727	1974	1979	1986	rVB3	572594	1037128	25.89%	1.504%
75	13.845	1996	1999	2000	rBV	285717	260388	6.50%	0.378%
76	13.874	2000	2004	2007	rVV3	1753463	2836888	70.81%	4.113%
77	13.904	2007	2009	2017	rVB	1466550	1479685	36.94%	2.145%
78	13.980	2020	2022	2025	rVV	131677	111372	2.78%	0.161%
79	14.027	2028	2030	2037	rBV5	202801	291921	7.29%	0.423%
80	14.110	2042	2044	2047	rVB	126486	93736	2.34%	0.136%
81	14.227	2061	2064	2066	rBV2	144511	138552	3.46%	0.201%
82	14.262	2068	2070	2074	rVV	317682	310240	7.74%	0.450%
83	14.298	2074	2076	2078	rVV	171259	127135	3.17%	0.184%
84	14.333	2080	2082	2085	rVV3	78702	106245	2.65%	0.154%
85	14.392	2089	2092	2093	rBV	131643	111550	2.78%	0.162%
86	14.462	2102	2104	2106	rVB2	147289	115686	2.89%	0.168%
87	14.580	2121	2124	2127	rBV4	84688	128644	3.21%	0.187%
88	14.751	2149	2153	2156	rBV2	181358	210127	5.25%	0.305%
89	14.909	2174	2180	2189	rBV	1178442	2425661	60.55%	3.517%
90	15.004	2193	2196	2200	rBV	337203	375733	9.38%	0.545%
91	15.086	2207	2210	2212	rBV3	86973	112662	2.81%	0.163%
92	15.192	2224	2228	2234	rVB	778912	953684	23.81%	1.383%
93	15.257	2234	2239	2243	rBV	1053891	1264574	31.57%	1.834%
94	15.309	2244	2248	2251	rVV	667624	874346	21.83%	1.268%
95	15.339	2251	2253	2261	rVB2	329206	441400	11.02%	0.640%
96	15.715	2314	2317	2323	rBV2	65334	131897	3.29%	0.191%
97	16.721	2481	2488	2495	rBV	593378	1177200	29.38%	1.707%
98	16.880	2511	2515	2520	rBV2	131584	242494	6.05%	0.352%
99	17.151	2554	2561	2571	rVB	475307	1031652	25.75%	1.496%
100	17.374	2595	2599	2611	rVB3	153140	390626	9.75%	0.566%

Sum of corrected areas: 68968509

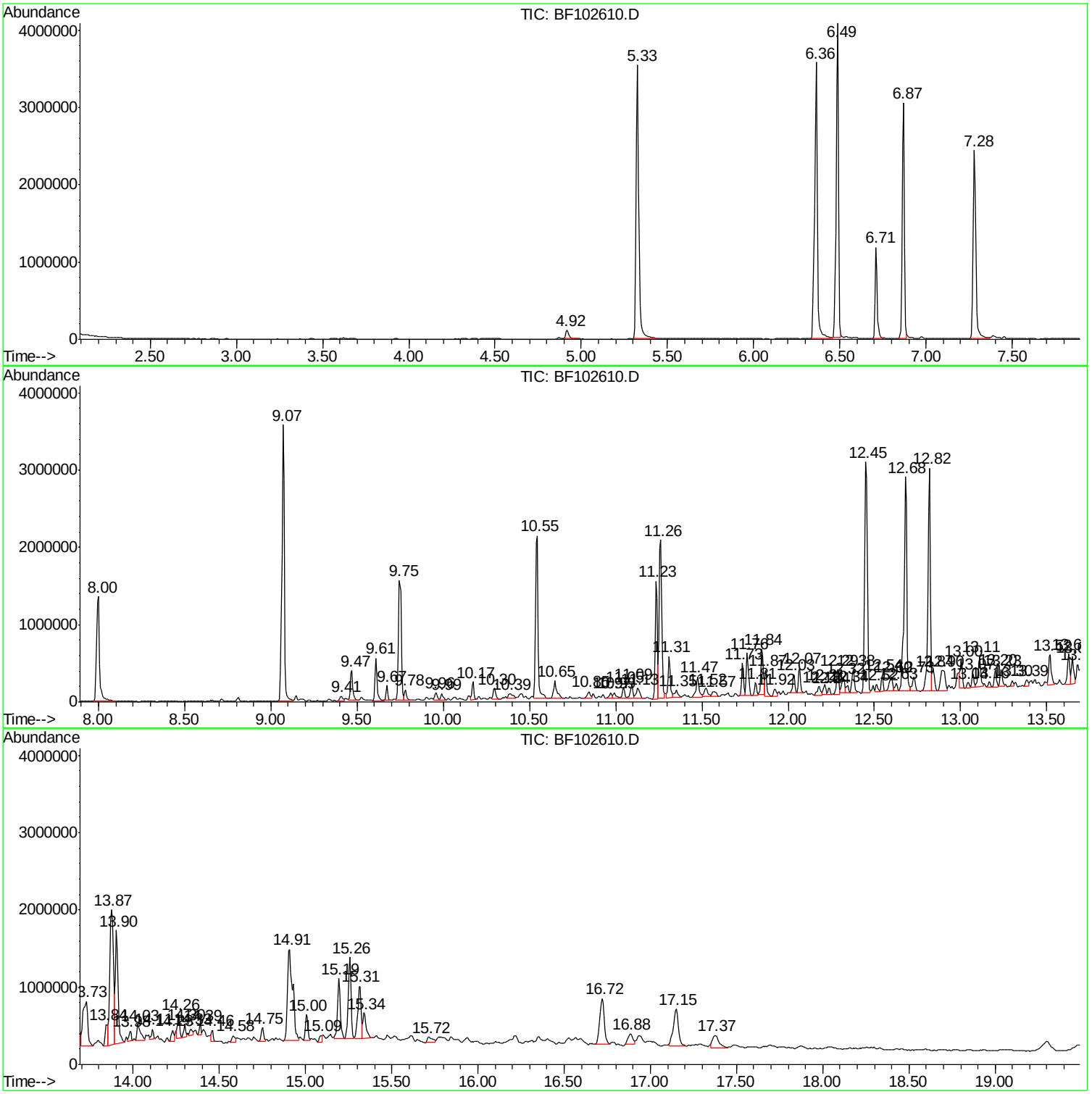
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
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Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

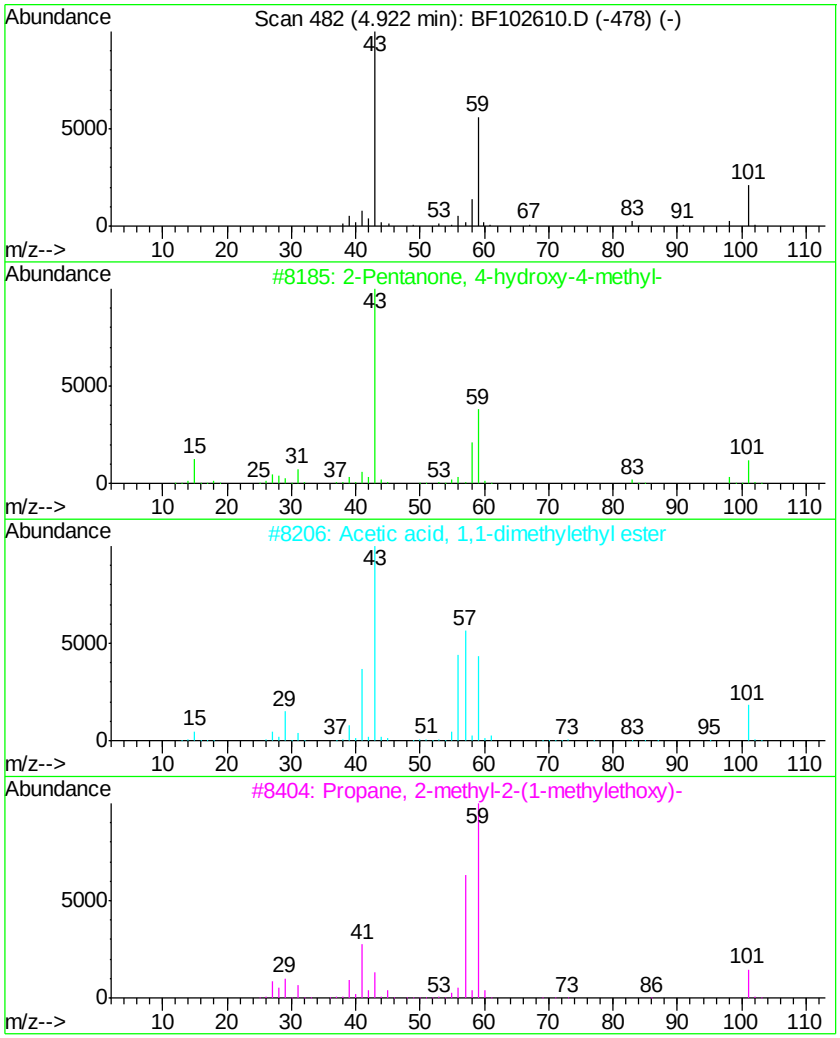
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

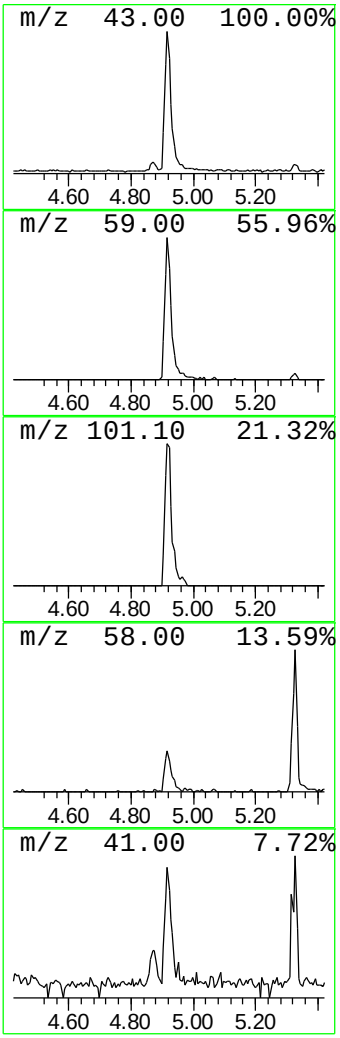
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	3.10 ng	158880	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	3-Hexanol	102	C6H14O	000623-37-0	33





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

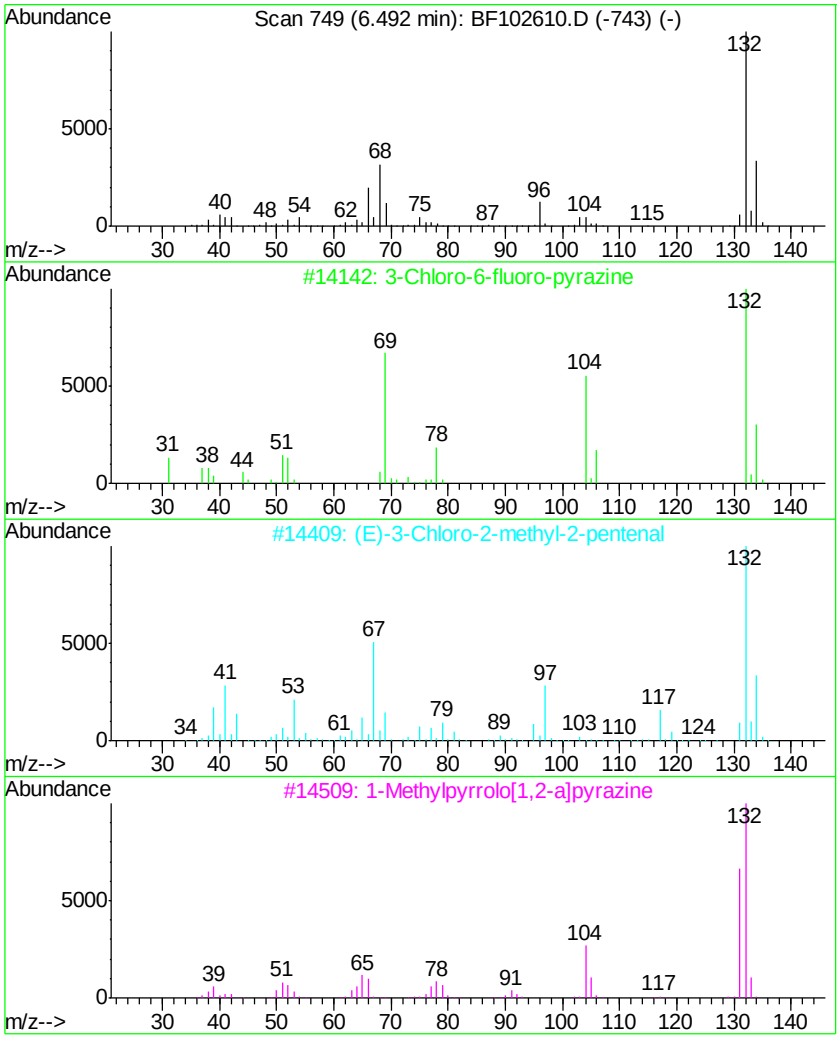
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

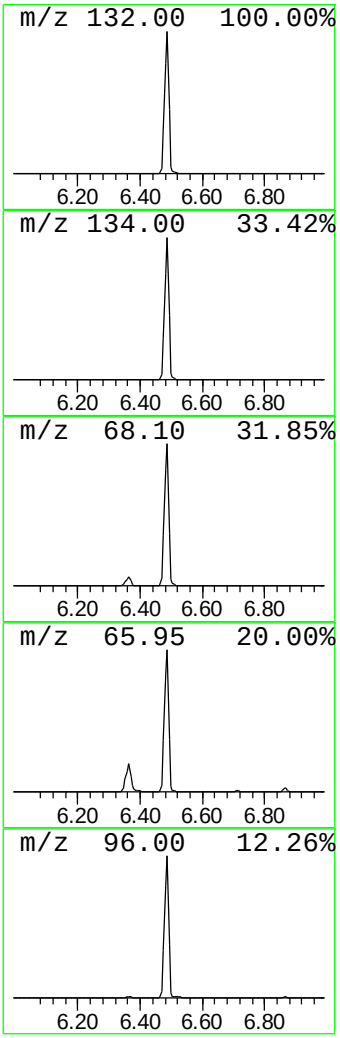
****

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	73.83 ng	3782670	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

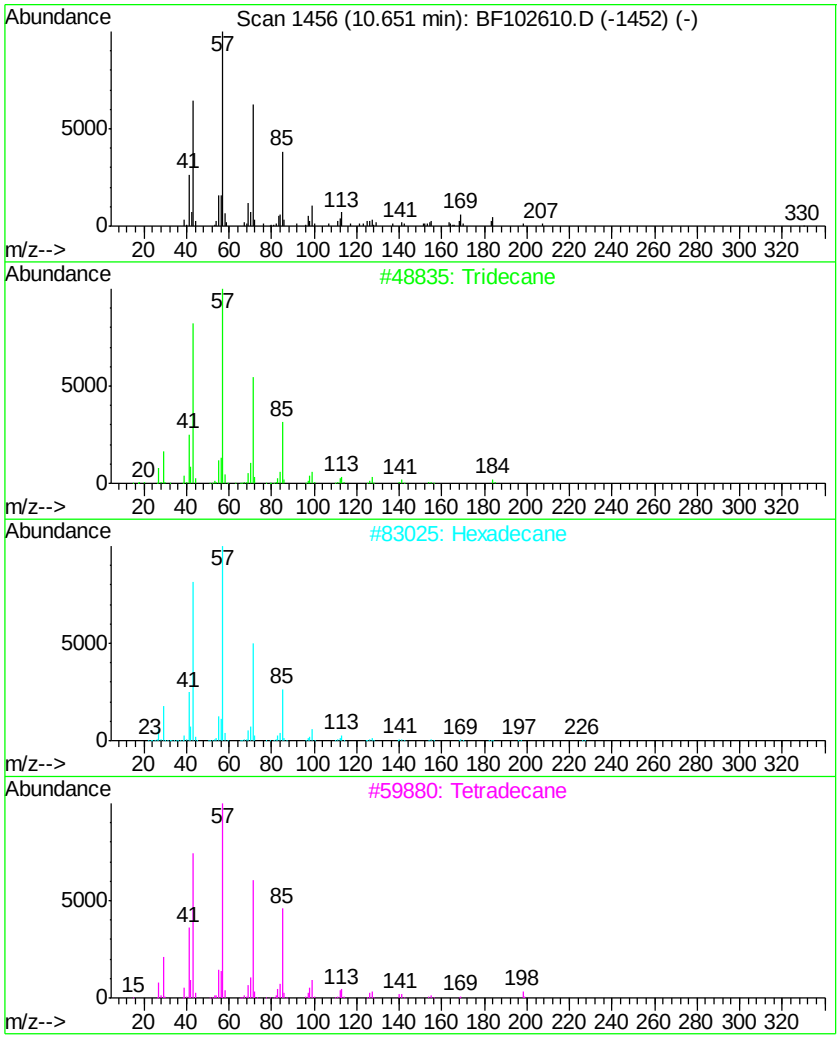
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

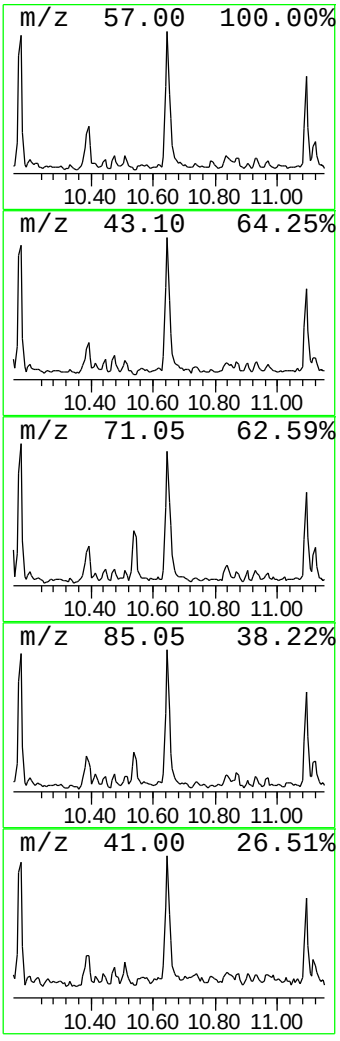
****

Peak Number 4 Tridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	4.27 ng	300435	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Heptadecane	240	C17H36	000629-78-7	83
5	Heneicosane	296	C21H44	000629-94-7	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

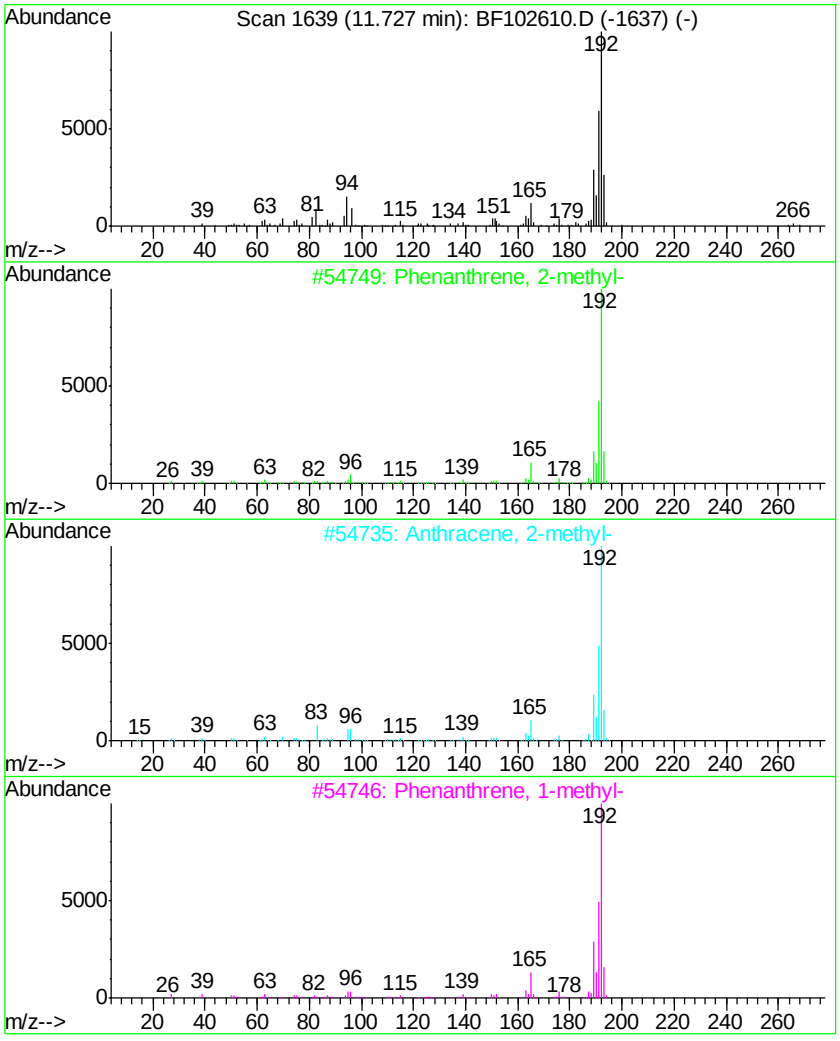
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

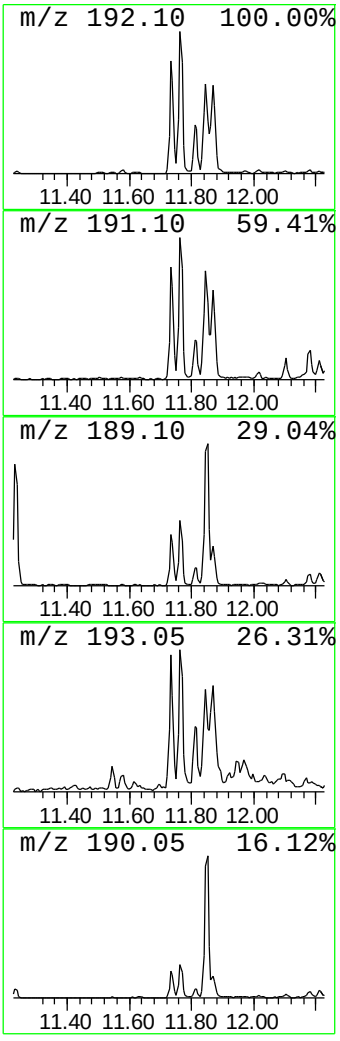
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	5.30 ng	372517	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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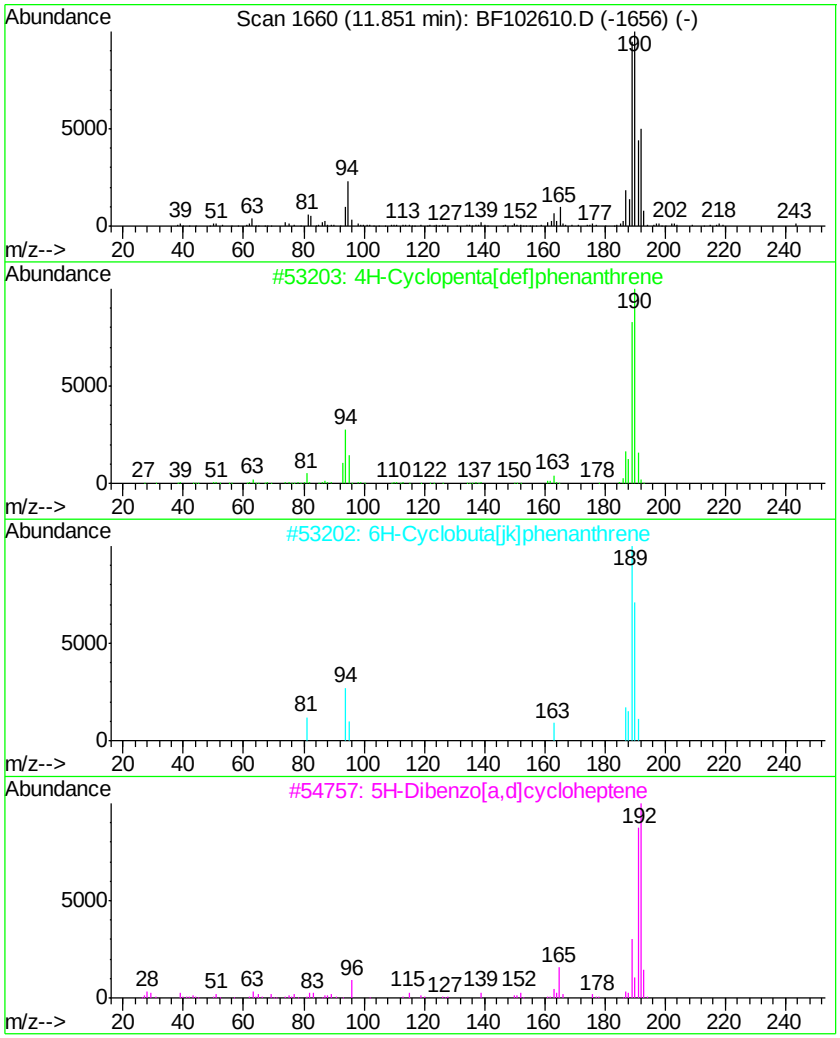
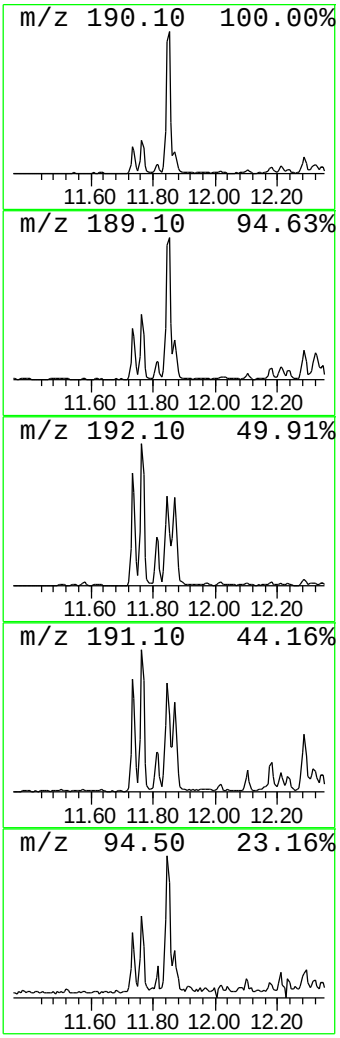
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	9.24 ng	649740	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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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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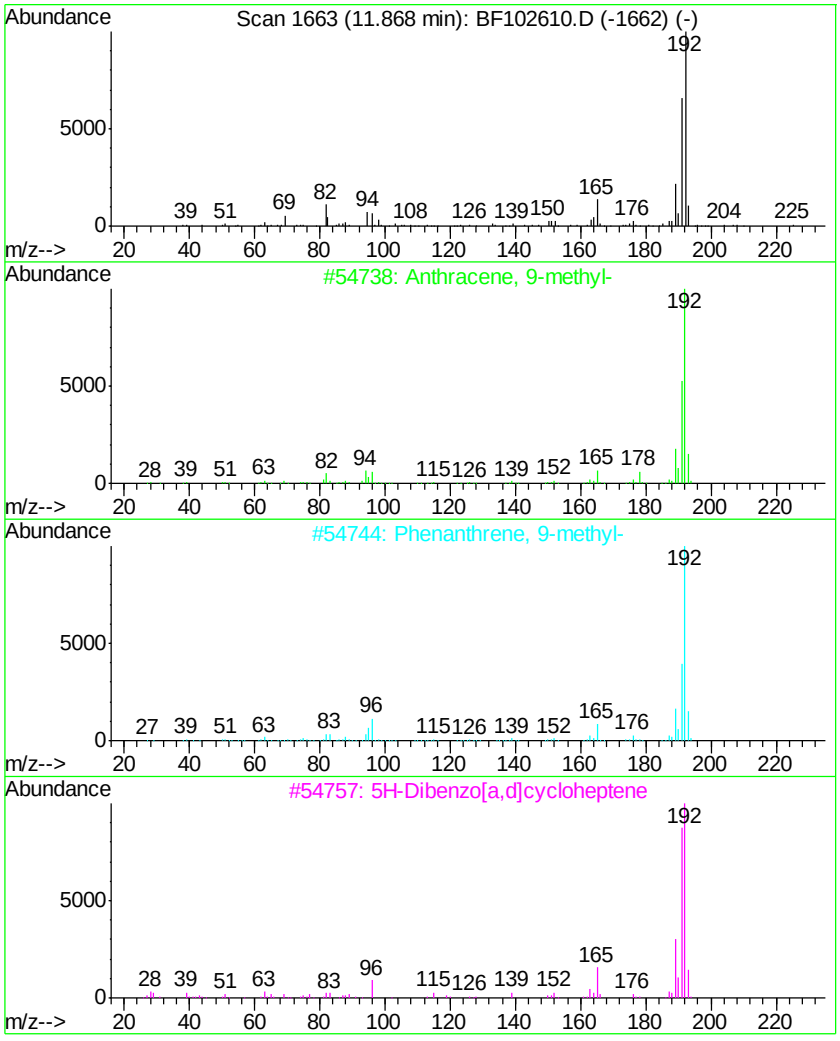
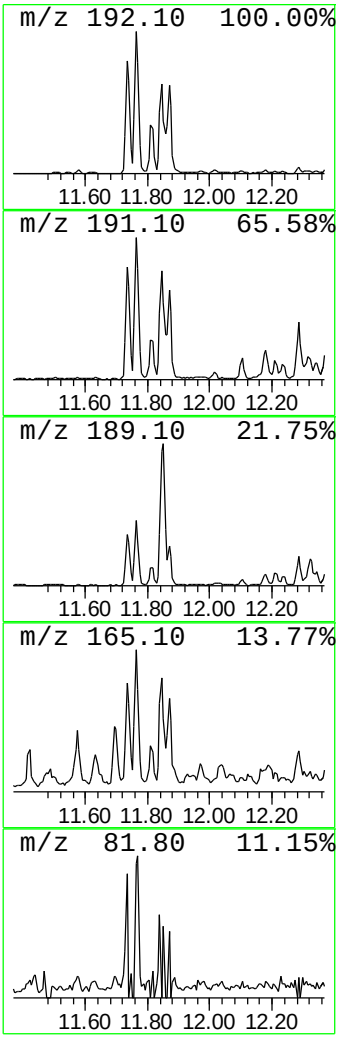
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.50 ng	246330	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	72
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	72
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68





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Operator : SJ/JU
Sample : J1353-01
Misc :
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Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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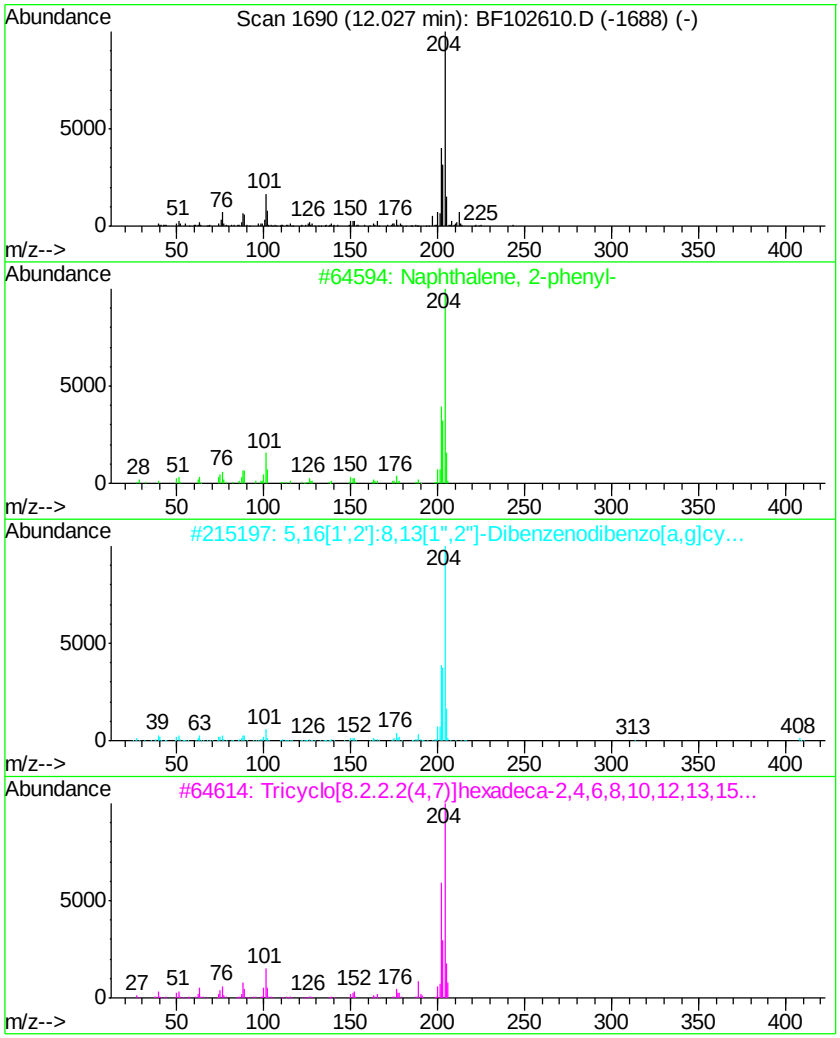
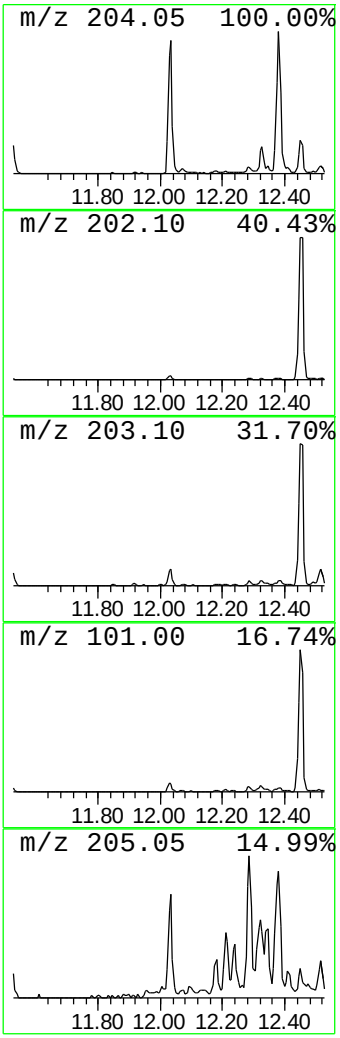
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.24 ng	228101	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	49





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Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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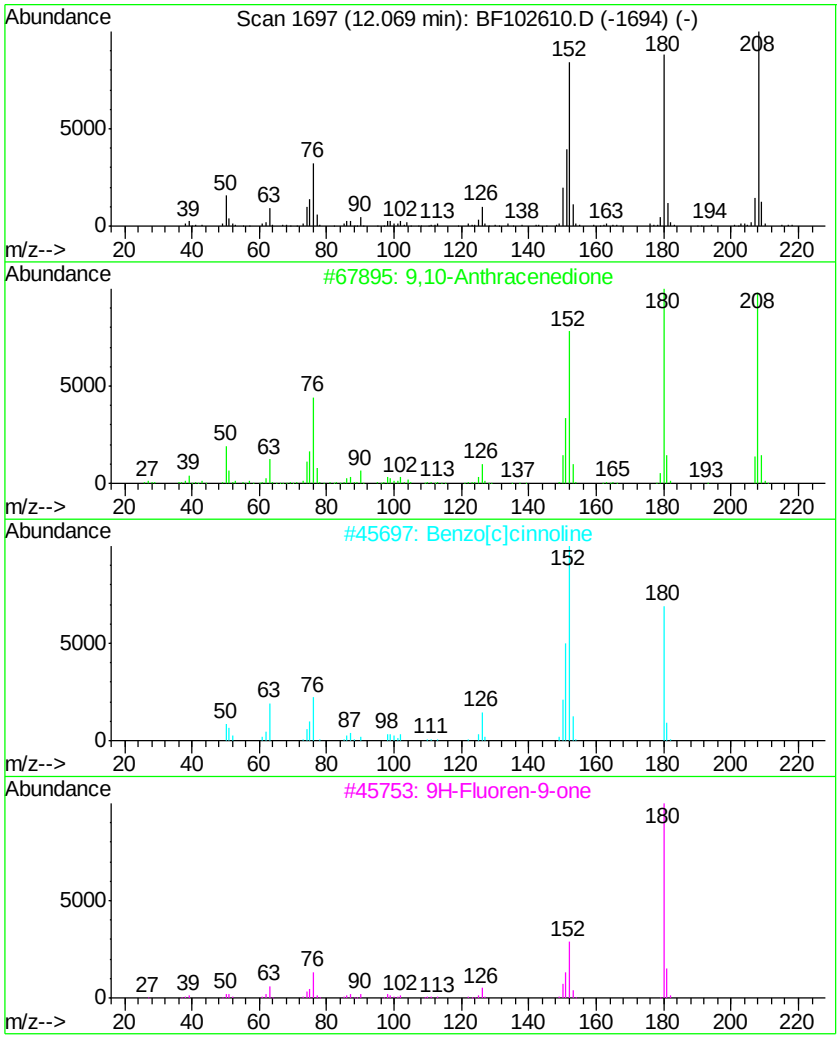
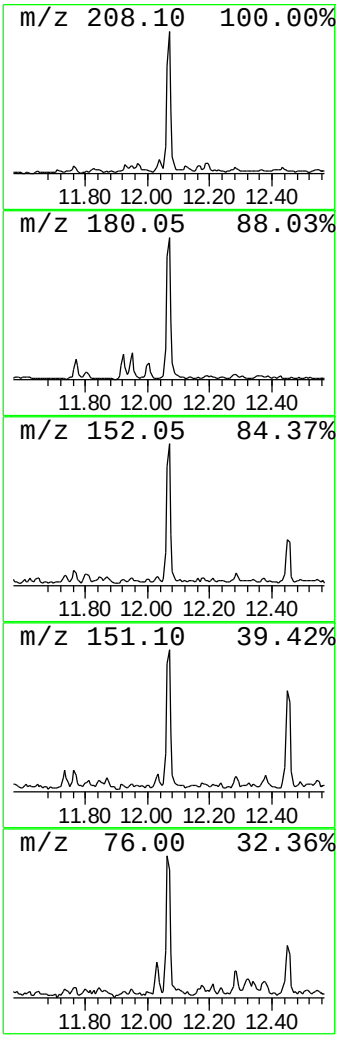
Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.14 ng	291140	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Misc :
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ClientSampleId : EPE-106-5(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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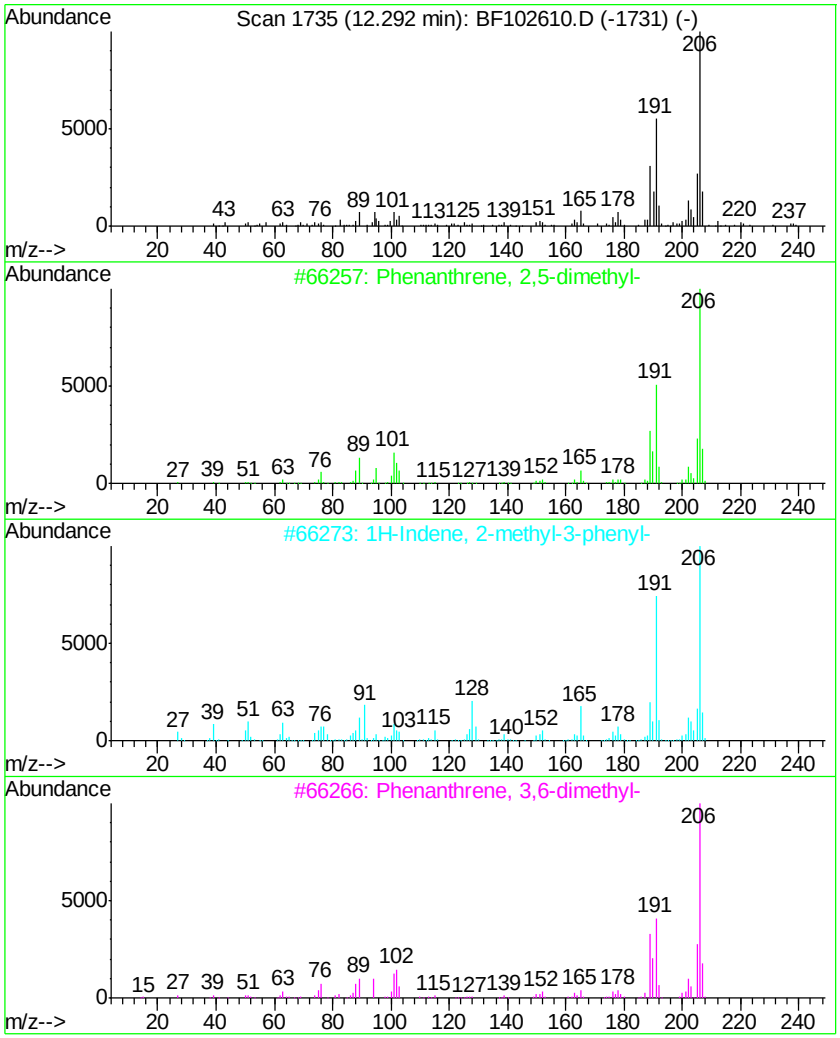
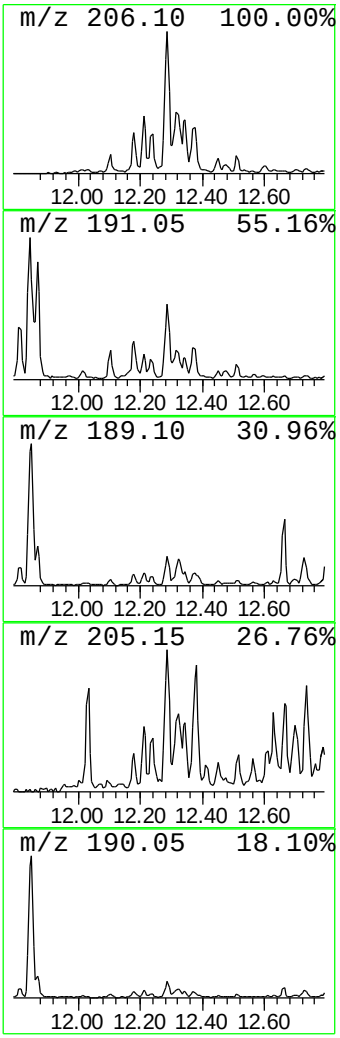
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.36 ng	306501	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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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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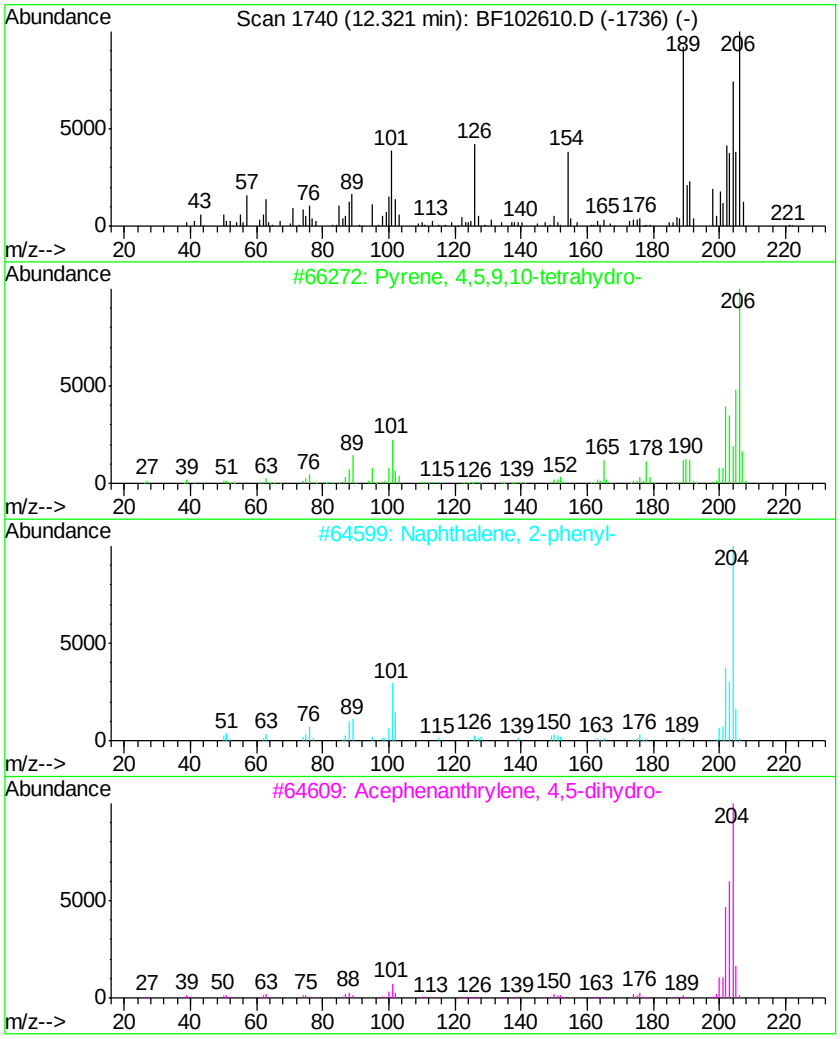
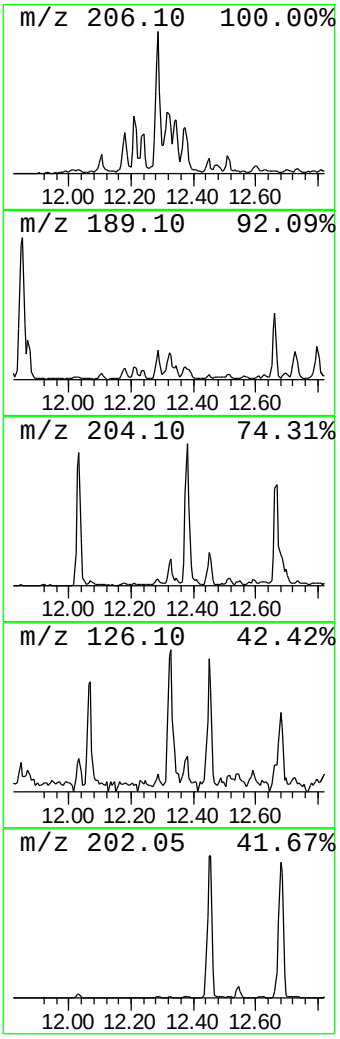
Peak Number 12 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.57 ng	251147	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	52
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	20
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	20
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	15
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	15





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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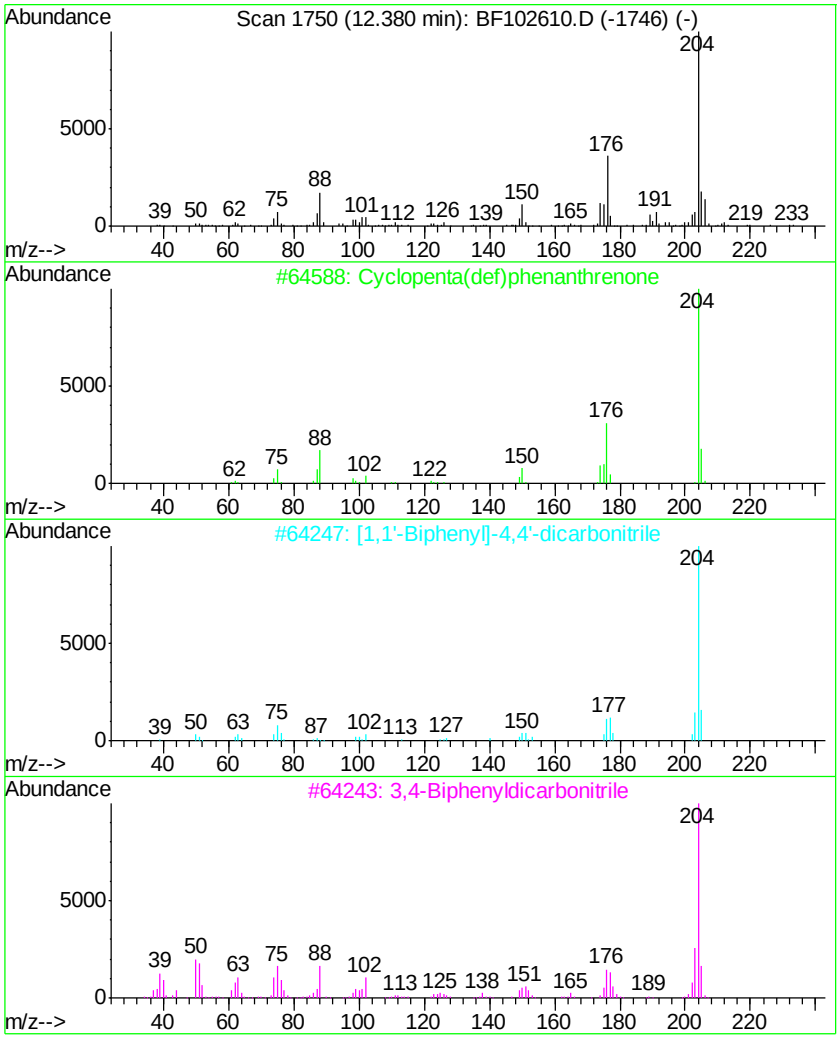
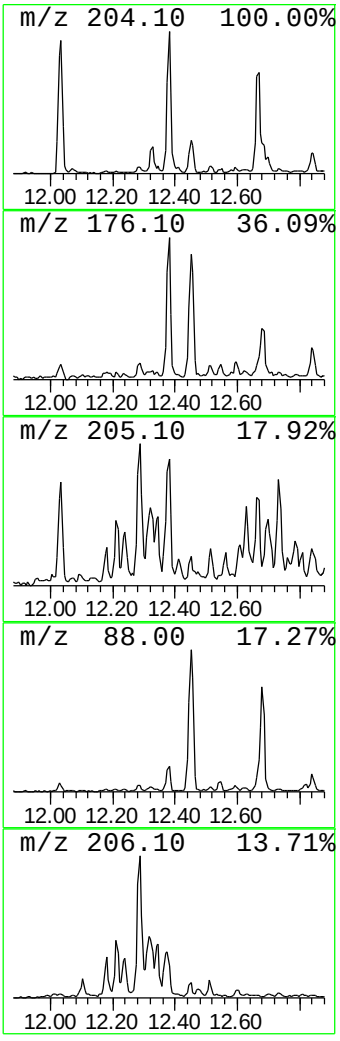
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.83 ng	339942	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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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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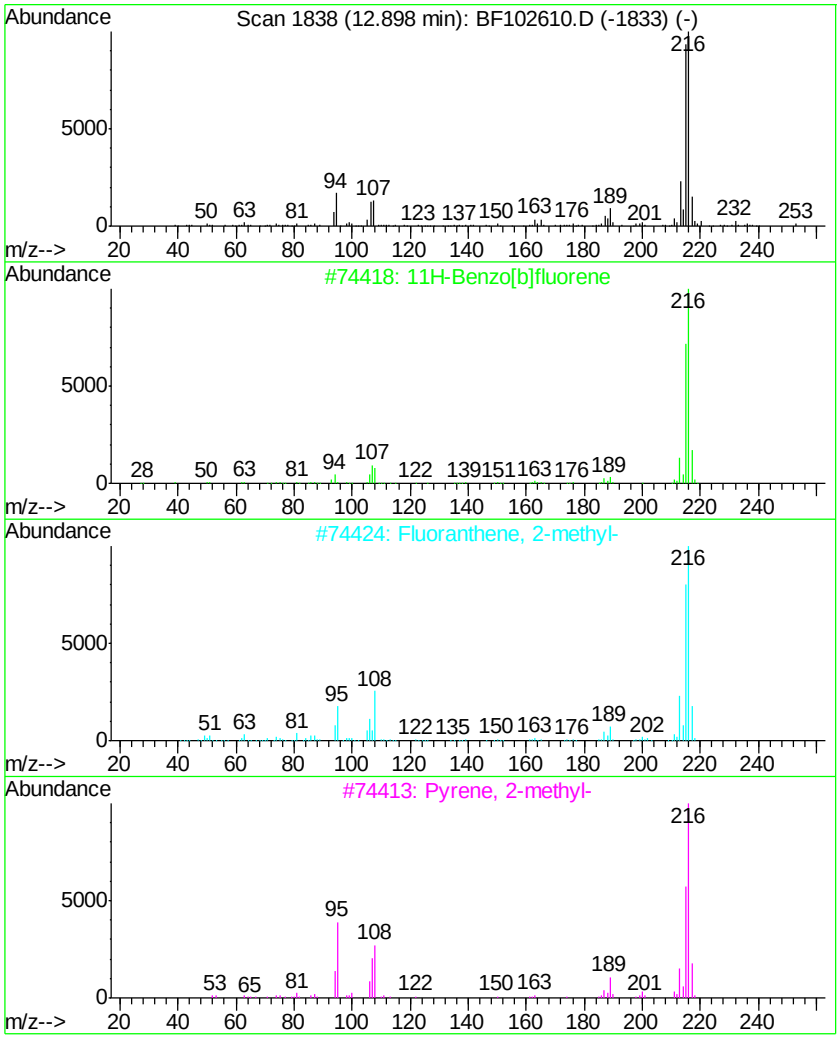
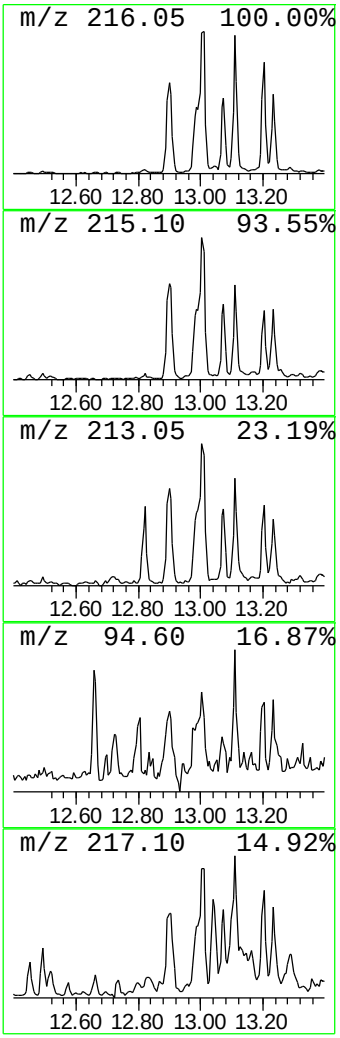
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	3.09 ng	438617	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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TIC Integration Parameters: LSCINT.P

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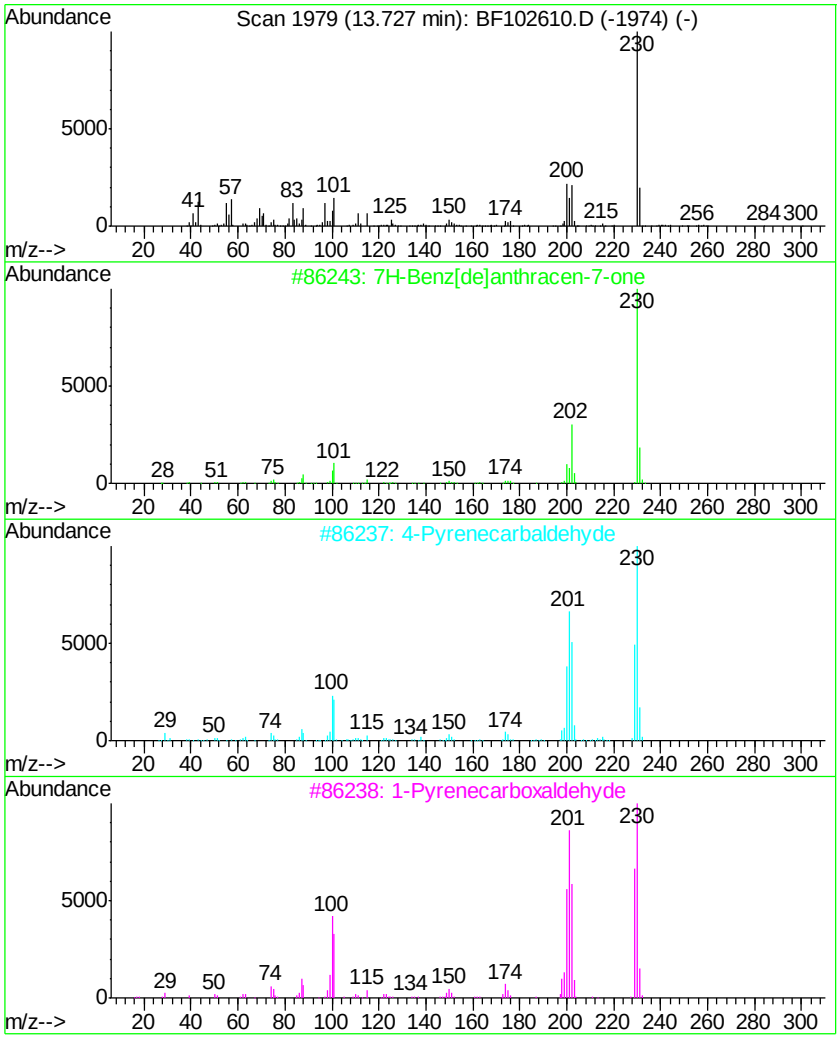
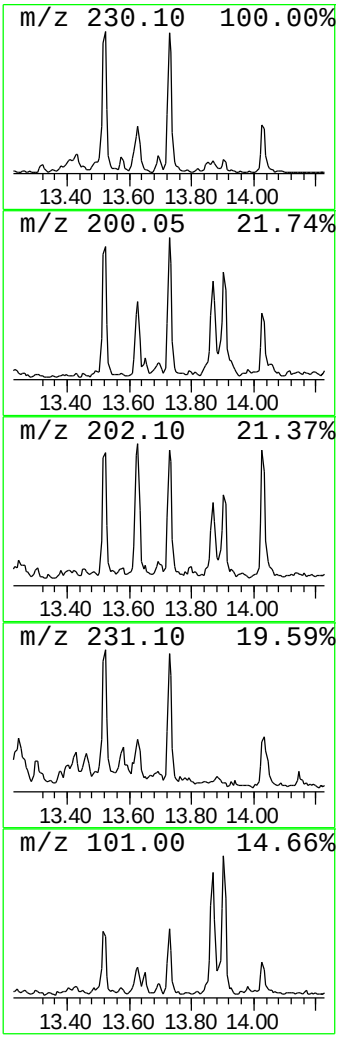
Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	7.31 ng	1037130	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	53
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50





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TIC Integration Parameters: LSCINT.P

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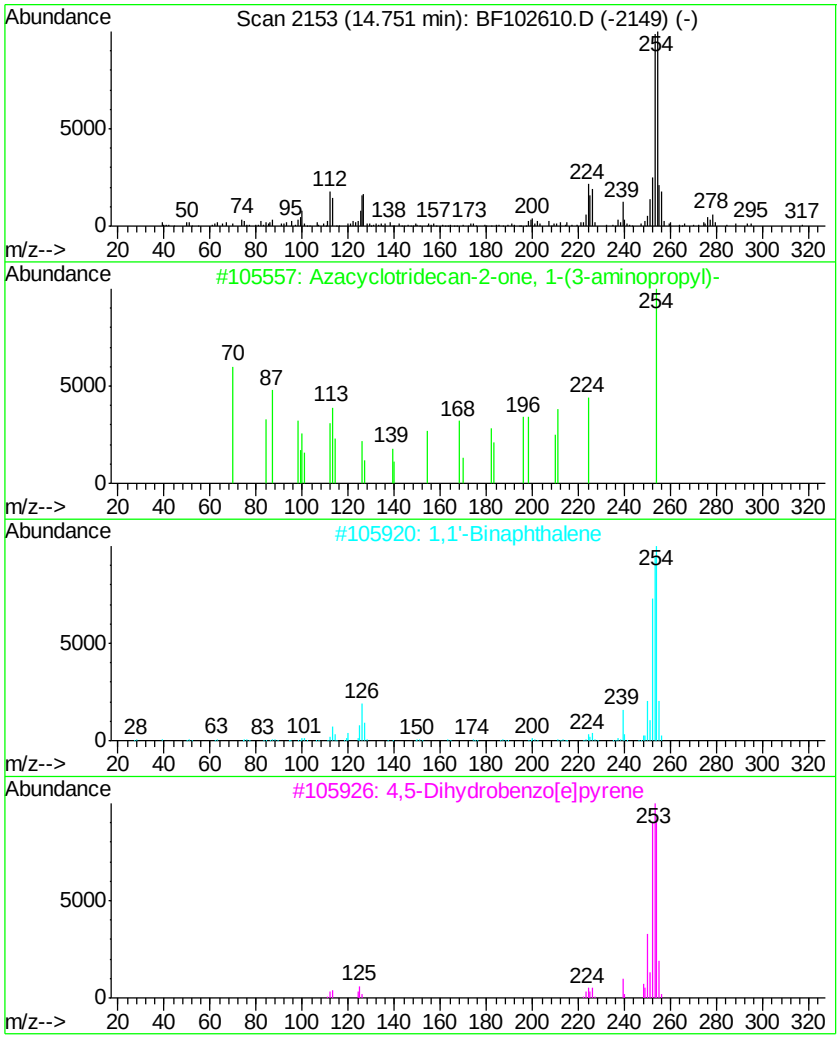
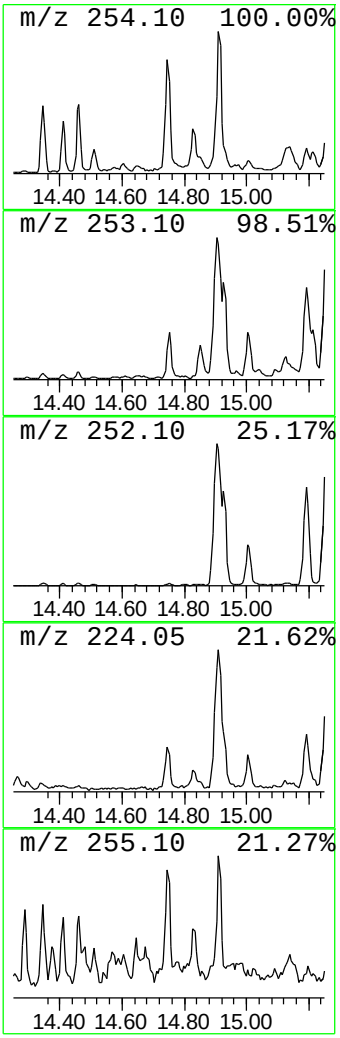
Peak Number 16 Azacyclotridecan-2-one, 1-(... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.81 ng	210127	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	93
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	76
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	68
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64





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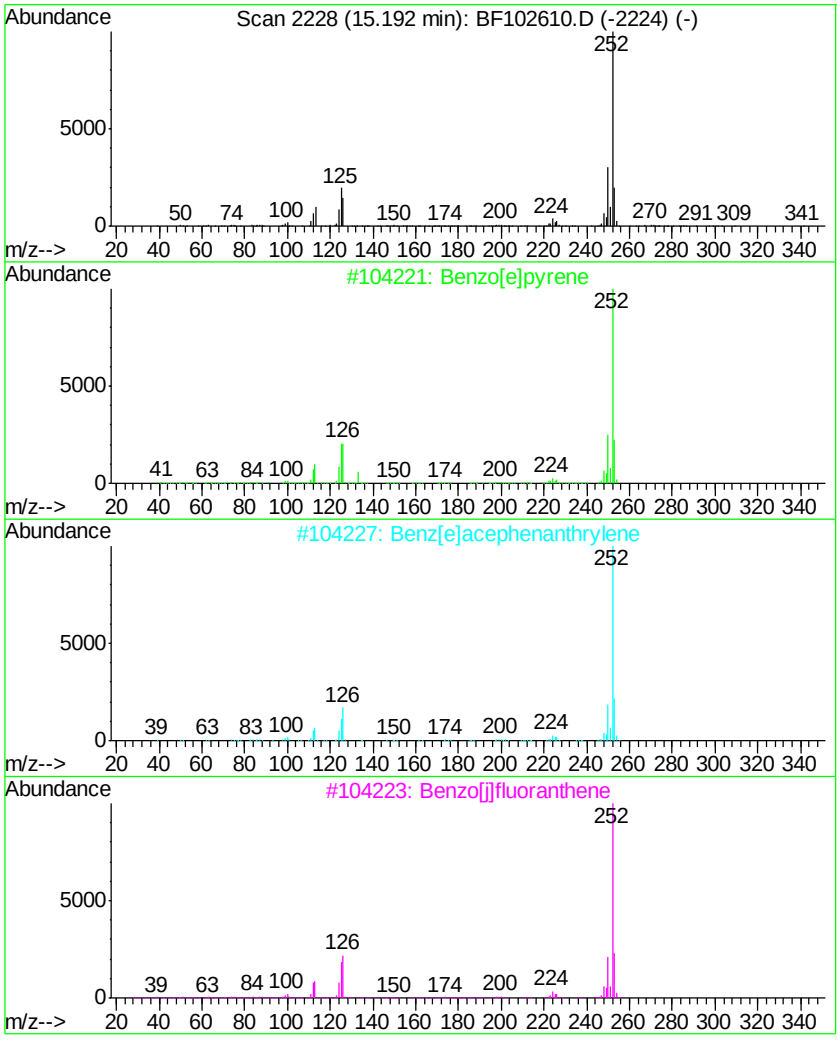
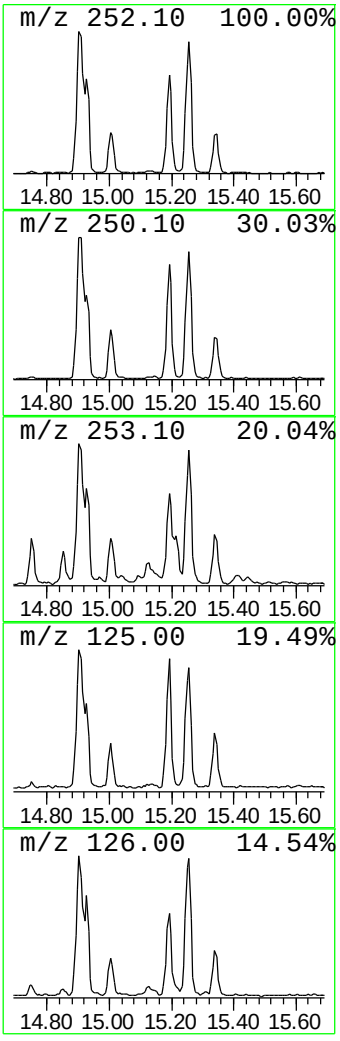
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	21.81 ng	953684	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





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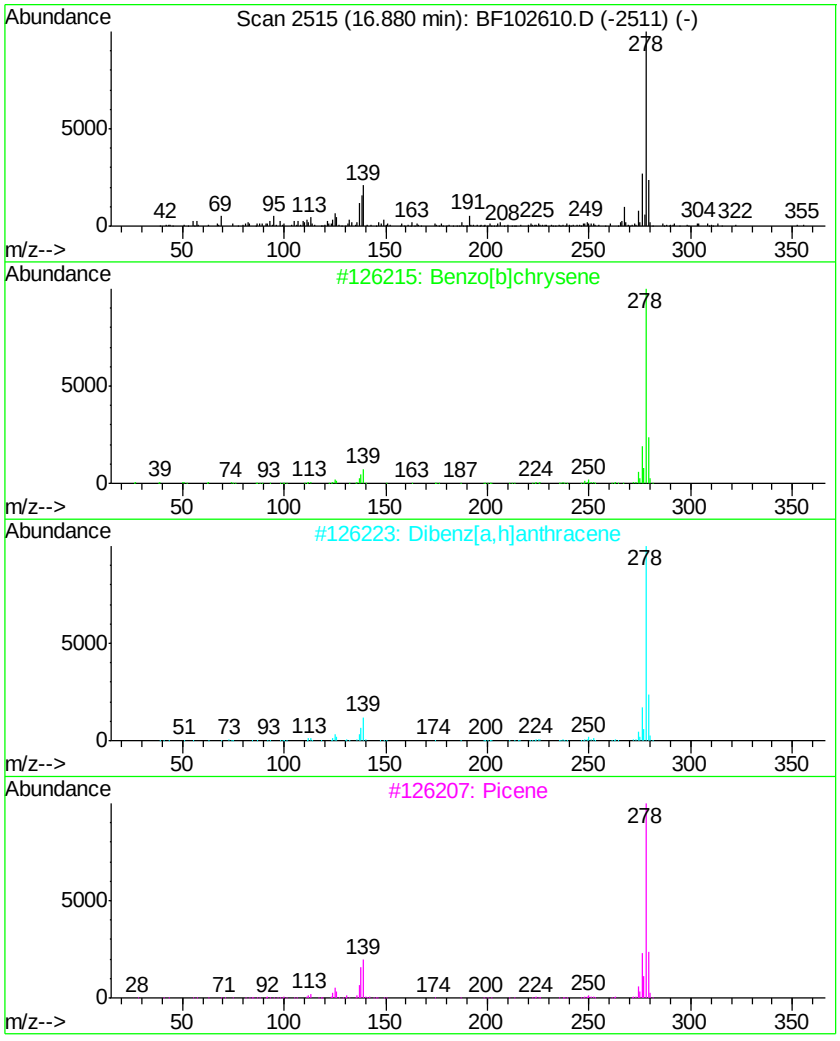
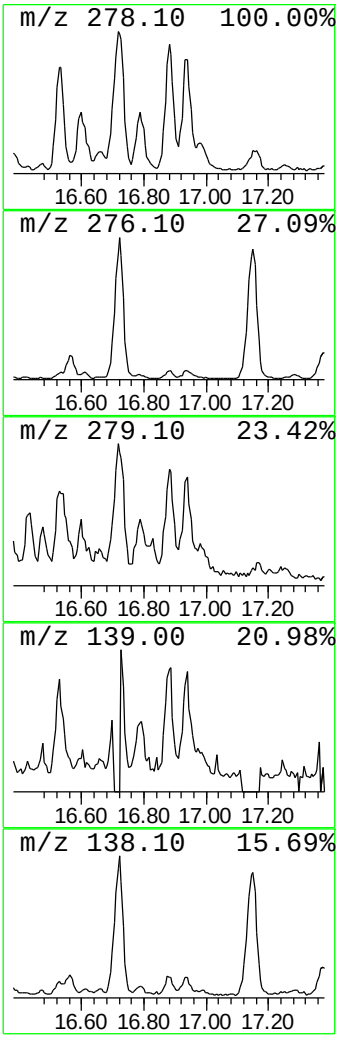
Peak Number 19 Benzo[b]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	5.55 ng	242494	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	94
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
3	Picene	278	C22H14	000213-46-7	93
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	92





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Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

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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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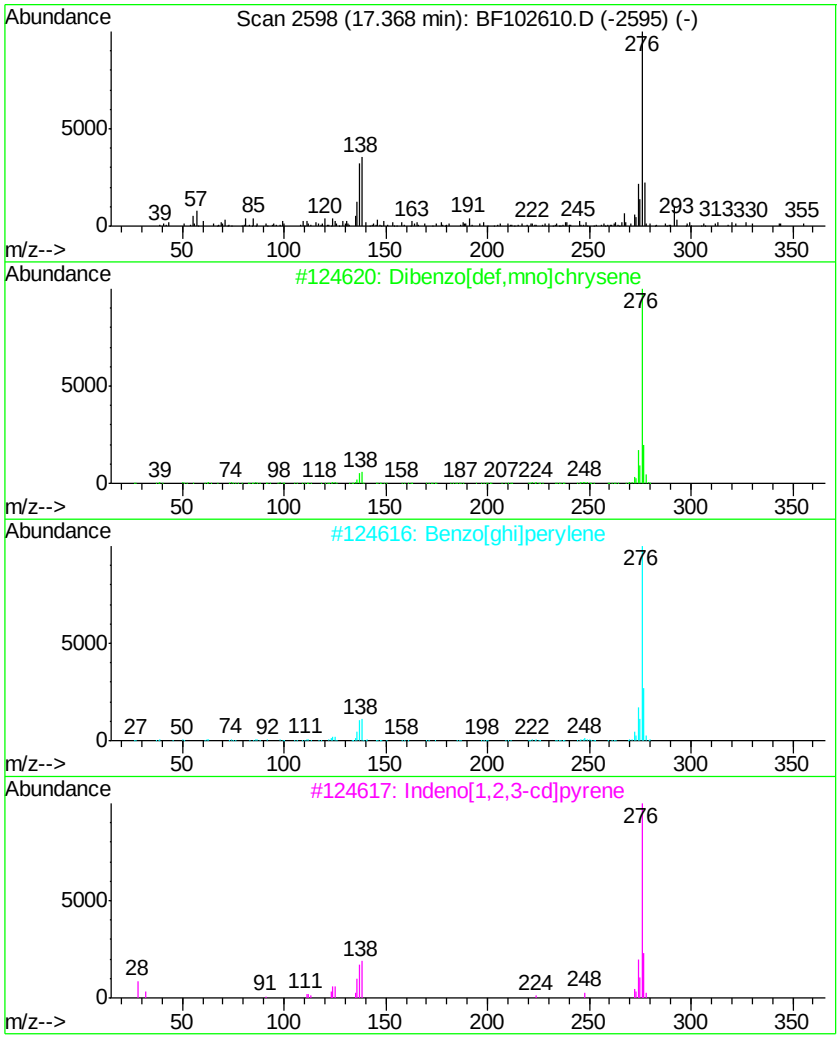
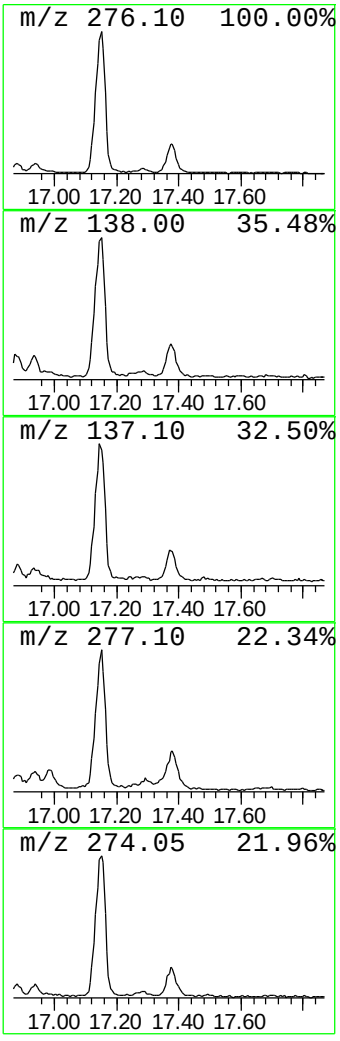
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	8.94 ng	390626	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	92
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102610.D
Acq On : 29 Jan 2018 21:16
Operator : SJ/JU
Sample : J1353-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-106-5(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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...	4.92	3.1	ng	158880	1	6.71	1024710	20.0
unknown6.49	6.49	73.8	ng	3782670	1	6.71	1024710	20.0
Tridecane	10.65	4.3	ng	300435	4	11.23	1407030	20.0
Phenanthrene, 2-m...	11.73	5.3	ng	372517	4	11.23	1407030	20.0
4H-Cyclopenta[def...	11.85	9.2	ng	649740	4	11.23	1407030	20.0
Anthracene, 9-met...	11.87	3.5	ng	246330	4	11.23	1407030	20.0
Naphthalene, 2-ph...	12.03	3.2	ng	228101	4	11.23	1407030	20.0
9,10-Anthracenedione	12.07	4.1	ng	291140	4	11.23	1407030	20.0
Phenanthrene, 2,5...	12.29	4.4	ng	306501	4	11.23	1407030	20.0
Pyrene, 4,5,9,10-...	12.32	3.6	ng	251147	4	11.23	1407030	20.0
Cyclopenta(def)ph...	12.38	4.8	ng	339942	4	11.23	1407030	20.0
11H-Benzo[b]fluorene	12.90	3.1	ng	438617	5	13.88	2836890	20.0
7H-Benz[de]anthra...	13.73	7.3	ng	1037130	5	13.88	2836890	20.0
Azacyclotridecan-...	14.75	4.8	ng	210127	6	15.32	874346	20.0
Benzo[e]pyrene	15.19	21.8	ng	953684	6	15.32	874346	20.0
Benzo[b]chrysene	16.88	5.5	ng	242494	6	15.32	874346	20.0
Dibenzo[def,mno]c...	17.37	8.9	ng	390626	6	15.32	874346	20.0