LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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-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	4.993	491	494	504	rVB	68397	92695	3.70%	0.222%
2	5.404	559	564	584	rVB	2068712	2021773	80.67%	4.844%
3	6.434	734	739	756	rBV	1873308	2139499	85.36%	5.127%
4	6.563	756	761	764	rBV	2368998	2167140	86.46%	5.193%
5	6.787	796	799	803	rBV	840759	687333	27.42%	1.647%
6	6.945	822	826	829	rBV	2033929	1752617	69.93%	4.200%
7	7.357	892	896	899	rBV	1408120	1328763	53.02%	3.184%
8	8.075	1015	1018	1021	rBV	1056955	914418	36.48%	2.191%
9	8.786	1136	1139	1146	rBV	87210	84352	3.37%	0.202%
10	8.886	1152	1156	1159	rBV	64976	56610	2.26%	0.136%
11	9.151	1196	1201	1204	rBV	2962732	2506379	100.00%	6.006%
12	9.416	1242	1246	1250	rBV	44022	59350	2.37%	0.142%
13	9.486	1255	1258	1261	rVV	68804	74758	2.98%	0.179%
14	9.545	1265	1268	1275	rVB	319705	287219	11.46%	0.688%
15	9.751	1300	1303	1306	rVB	102698	75458	3.01%	0.181%
16	9.828	1311	1316	1320	rVV	1068827	1077711	43.00%	2.582%
17	9.863	1320	1322	1331	rVB	186756	160102	6.39%	0.384%
18	10.033	1348	1351	1355	rVV2	107503	113925	4.55%	0.273%
19	10.075	1355	1358	1361	rVB3	49093	53033	2.12%	0.127%
20	10.251	1385	1388	1391	rVB	144650	118883	4.74%	0.285%
21	10.380	1406	1410	1416	rBV2	141075	146096	5.83%	0.350%
22	10.533	1433	1436	1443	rVB	61858	70136	2.80%	0.168%
23	10.627	1448	1452	1457	rBV	1464559	1484363	59.22%	3.557%
24	10.727	1466	1469	1478	rVB3	110983	169492	6.76%	0.406%
25	10.927	1497	1503	1506	rBV5	52692	81748	3.26%	0.196%
26	11.051	1519	1524	1526	rBV3	43315	55655	2.22%	0.133%
27	11.075	1526	1528	1534	rVV3	44750	65449	2.61%	0.157%
28	11.127	1534	1537	1541	rVV	126862	117863	4.70%	0.282%
29	11.174	1541	1545	1548	rVV3	108371	119294	4.76%	0.286%
30	11.216	1548	1552	1557	rVB	120503	126272	5.04%	0.303%
31	11.322	1566	1570	1572	rBV	1092616	967703	38.61%	2.319%
32	11.345	1572	1574	1578	rVV	1554028	1470935	58.69%	3.525%
33	11.398	1578	1583	1586	rVV	395601	370378	14.78%	0.887%
34	11.433	1587	1589	1594	rVB	42065	54460	2.17%	0.130%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.557	1605	1610	1615	rBV2	183058	220395	8.79%	0.528%
36	11.616	1615	1620	1624	rVV3	47068	84333	3.36%	0.202%
37	11.657	1624	1627	1632	rVB3	52239	71005	2.83%	0.170%
38	11.822	1650	1655	1658	rVV	231586	225977	9.02%	0.541%
39	11.851	1658	1660	1664	rVB	355482	295909	11.81%	0.709%
40	11.898	1664	1668	1671	rBV	100900	95835	3.82%	0.230%
41	11.933	1671	1674	1677	rVV	304805	352002	14.04%	0.843%
42	11.957	1677	1678	1684	rVB	160679	122192	4.88%	0.293%
43	12.010	1684	1687	1689	rBV2	55285	58091	2.32%	0.139%
44	12.121	1702	1706	1708	rBV	161952	146267	5.84%	0.350%
45	12.151	1708	1711	1716	rVB	139001	124123	4.95%	0.297%
46	12.269	1726	1731	1734	rBV2	67202	85019	3.39%	0.204%
47	12.298	1734	1736	1738	rVV	67170	54922	2.19%	0.132%
48	12.321	1738	1740	1743	rVB	56200	51470	2.05%	0.123%
49	12.374	1745	1749	1751	rBV	149441	143958	5.74%	0.345%
50	12.410	1751	1755	1757	rVV3	87859	124573	4.97%	0.298%
51	12.469	1761	1765	1769	rBV2	131271	146601	5.85%	0.351%
52	12.545	1773	1778	1781	rBV	2219849	1960960	78.24%	4.699%
53	12.604	1786	1788	1791	rVB	71069	59804	2.39%	0.143%
54	12.692	1796	1803	1806	rBV3	90024	129300	5.16%	0.310%
55	12.774	1810	1817	1822	rBV2	1726681	2015426	80.41%	4.829%
56	12.821	1822	1825	1829	rVB2	112180	128058	5.11%	0.307%
57	12.916	1833	1841	1844	rBV	2034561	2042874	81.51%	4.895%
58	12.939	1844	1845	1848	rVB	116185	66764	2.66%	0.160%
59	12.992	1849	1854	1858	rBV2	138810	241872	9.65%	0.580%
60	13.080	1866	1869	1871	rBV2	125016	166868	6.66%	0.400%
61	13.104	1871	1873	1877	rVB	229476	215311	8.59%	0.516%
62	13.174	1882	1885	1887	rBV	120828	100248	4.00%	0.240%
63	13.210	1887	1891	1894	rBV2	176568	207673	8.29%	0.498%
64	13.310	1904	1908	1910	rBV	101416	103961	4.15%	0.249%
65	13.339	1910	1913	1916	rBV	93284	95838	3.82%	0.230%
66	13.639	1961	1964	1968	rVB	218851	200208	7.99%	0.480%
67	13.751	1978	1983	1986	rBV	213307	245103	9.78%	0.587%
68	13.780	1986	1988	1990	rVV	190086	156314	6.24%	0.375%
69	13.810	1990	1993	1994	rVV	125618	131373	5.24%	0.315%
70	13.839	1995	1998	2000	rVV2	259330	318493	12.71%	0.763%
71	13.857	2000	2001	2006	rVB	208864	174215	6.95%	0.417%

LSC Area Percent Report

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Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.933	2009	2014	2016	rBV	47282	68992	2.75%	0.165%
73	14.015	2020	2028	2032	rBV2	1132540	1992487	79.50%	4.774%
74	14.051	2032	2034	2042	rVB	888386	884650	35.30%	2.120%
75	14.139	2046	2049	2051	rVB	95787	85176	3.40%	0.204%
76	14.186	2055	2057	2060	rBV3	60333	79865	3.19%	0.191%
77	14.274	2070	2072	2075	rVB	89717	79924	3.19%	0.192%
78	14.404	2092	2094	2097	rBV	79388	85300	3.40%	0.204%
79	14.445	2097	2101	2105	rVB	163324	192420	7.68%	0.461%
80	14.486	2105	2108	2112	rBV	89760	81291	3.24%	0.195%
81	14.539	2113	2117	2118	rBV3	63715	81355	3.25%	0.195%
82	14.586	2123	2125	2127	rVV	102857	106995	4.27%	0.256%
83	14.610	2127	2129	2133	rVV	88275	114141	4.55%	0.273%
84	14.668	2136	2139	2146	rVB2	68064	94734	3.78%	0.227%
85	14.804	2159	2162	2165	rBV2	68017	86832	3.46%	0.208%
86	14.874	2171	2174	2178	rBV3	48270	70976	2.83%	0.170%
87	14.992	2190	2194	2197	rBV2	81512	105475	4.21%	0.253%
88	15.157	2216	2222	2224	rBV	801390	1238713	49.42%	2.968%
89	15.257	2236	2239	2243	rVB	164660	173703	6.93%	0.416%
90	15.351	2251	2255	2257	rBV2	52997	82242	3.28%	0.197%
91	15.457	2268	2273	2280	rVB	452184	618969	24.70%	1.483%
92	15.521	2280	2284	2290	rVB	665550	777966	31.04%	1.864%
93	15.586	2290	2295	2298	rBV	498756	675301	26.94%	1.618%
94	15.615	2298	2300	2307	rVB2	204699	248395	9.91%	0.595%
95	16.098	2374	2382	2387	rBV6	33966	93053	3.71%	0.223%
96	17.068	2540	2547	2554	rBV2	295638	594745	23.73%	1.425%
97	17.239	2570	2576	2581	rBV2	66182	134163	5.35%	0.321%
98	17.298	2582	2586	2591	rVB3	51514	89381	3.57%	0.214%
99	17.509	2616	2622	2635	rVB	211553	439896	17.55%	1.054%
100	17.762	2658	2665	2673	rVB3	51451	121595	4.85%	0.291%

Sum of corrected areas: 41733932

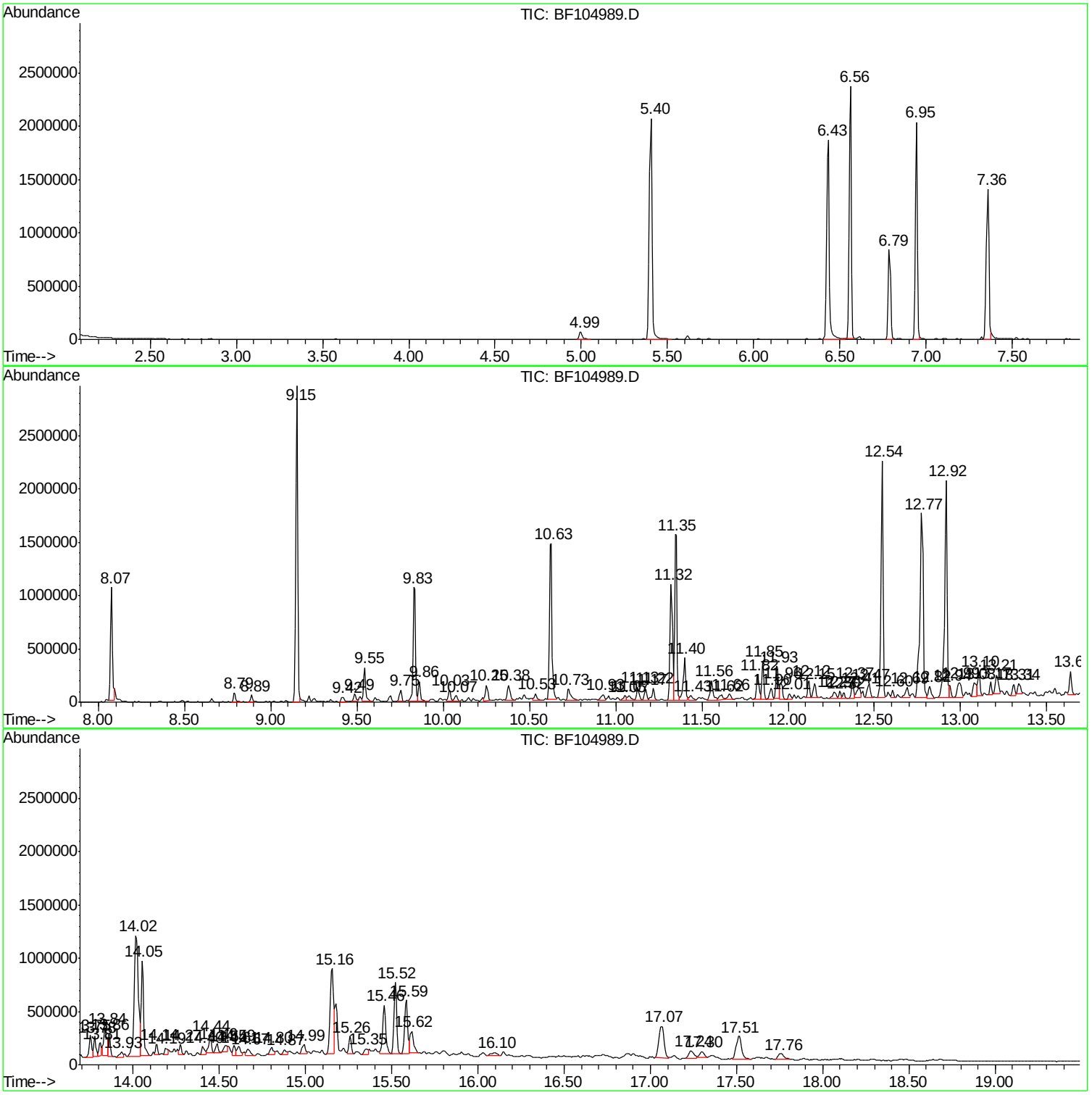
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4_0.0-0.5

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\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

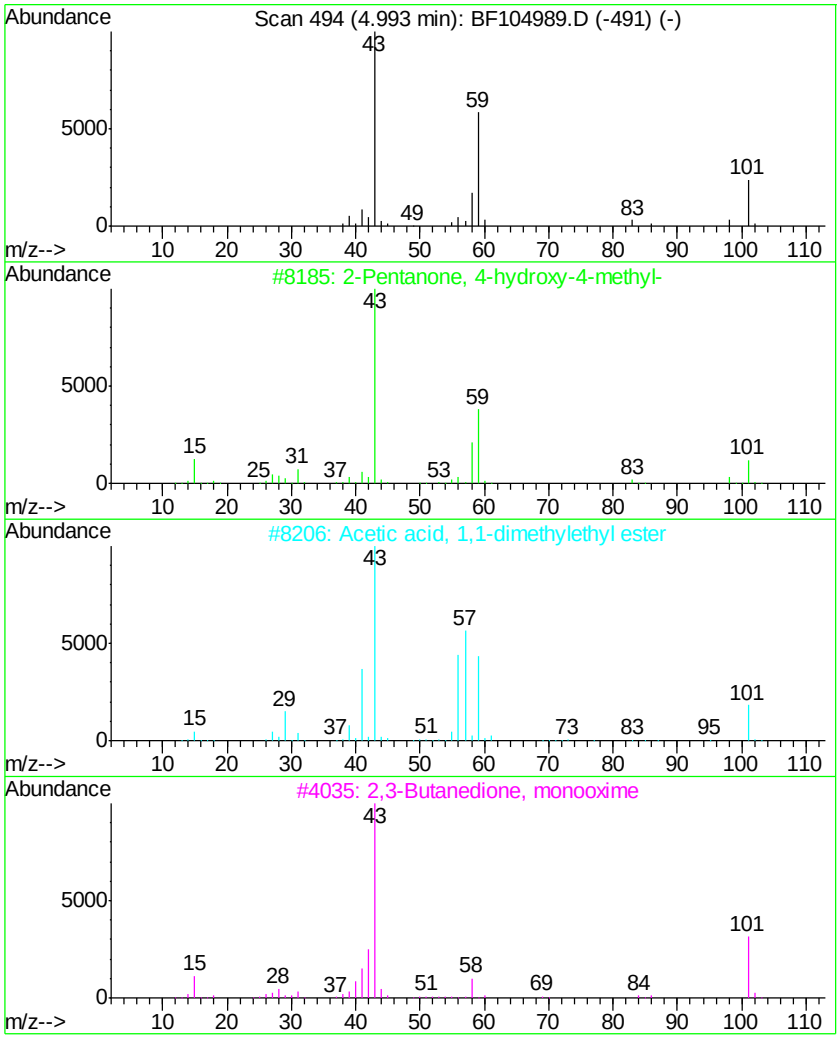
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

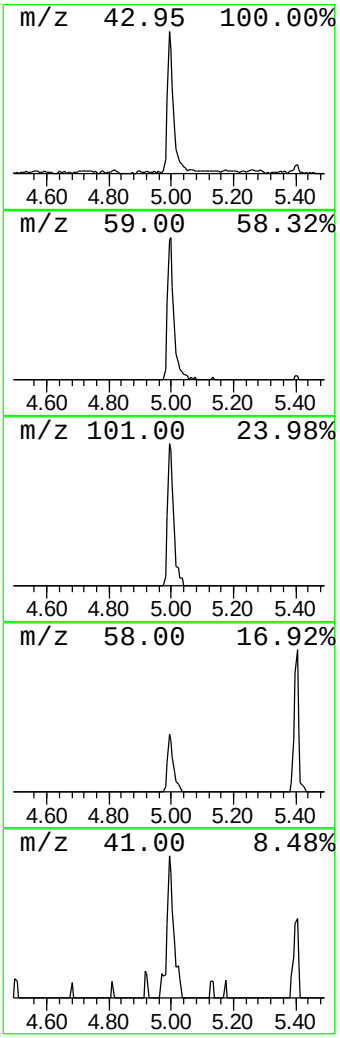
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	2.70 ng	92695	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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

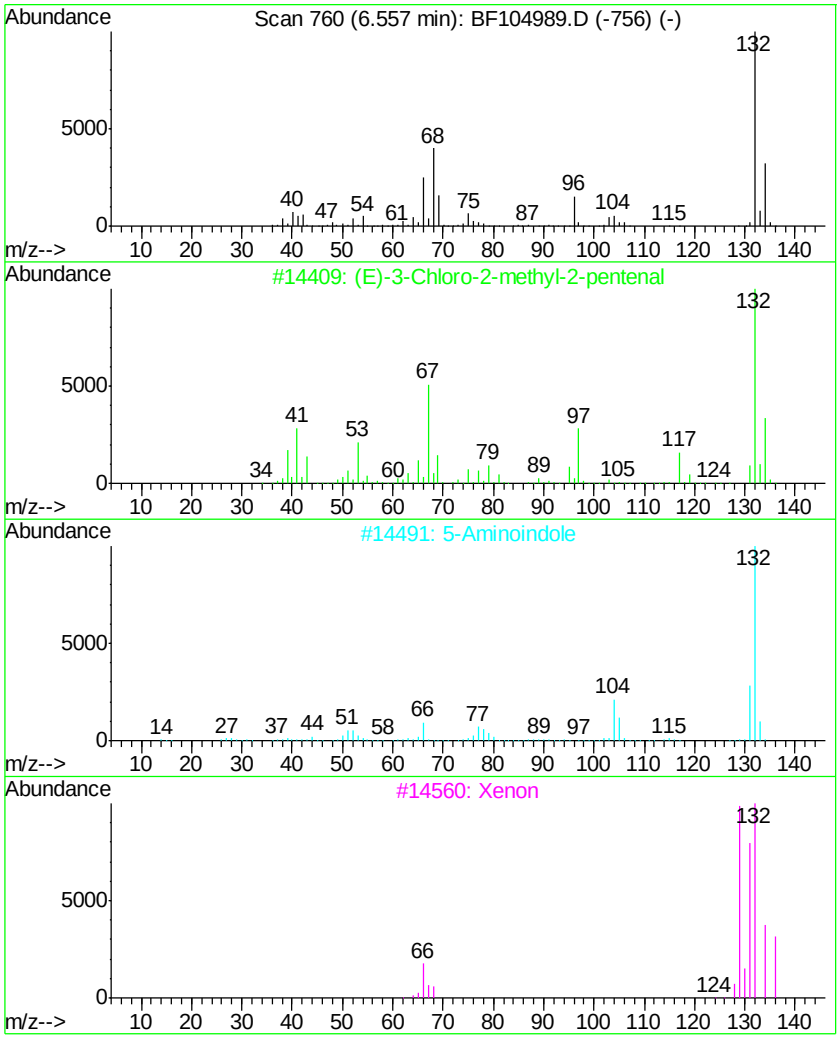
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

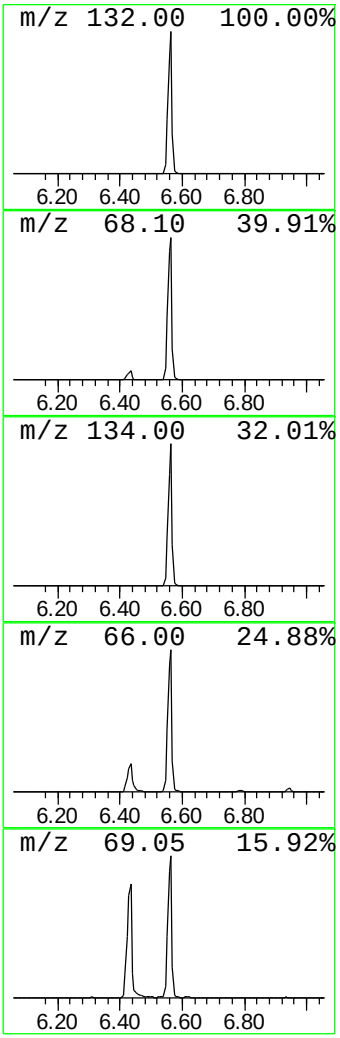
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	63.06 ng	2167140	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Xenon	132	Xe	007440-63-3	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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

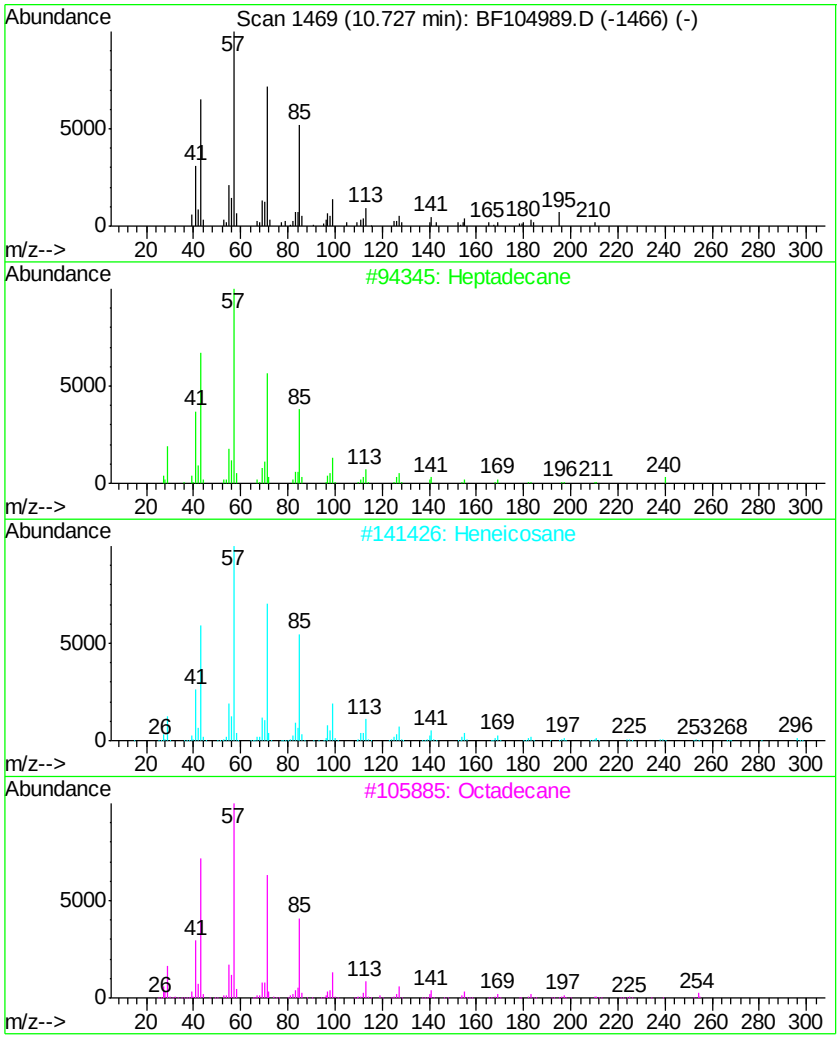
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

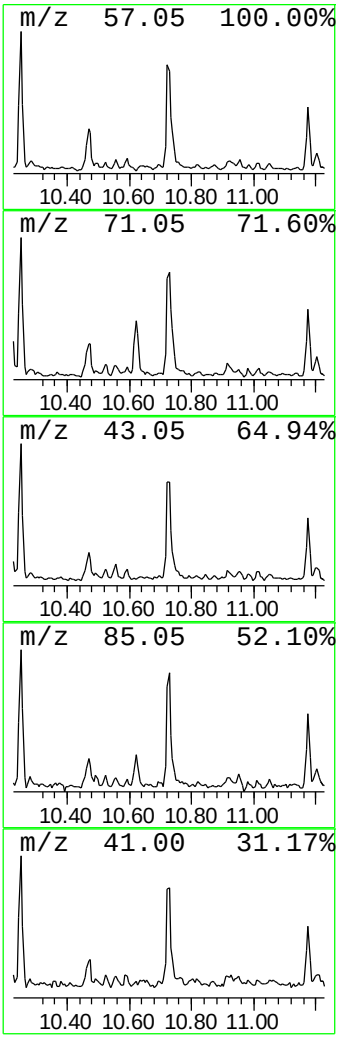
****

Peak Number 4 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	3.50 ng	169492	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octadecane	254	C18H38	000593-45-3	87
4	Eicosane	282	C20H42	000112-95-8	87
5	Hexadecane	226	C16H34	000544-76-3	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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

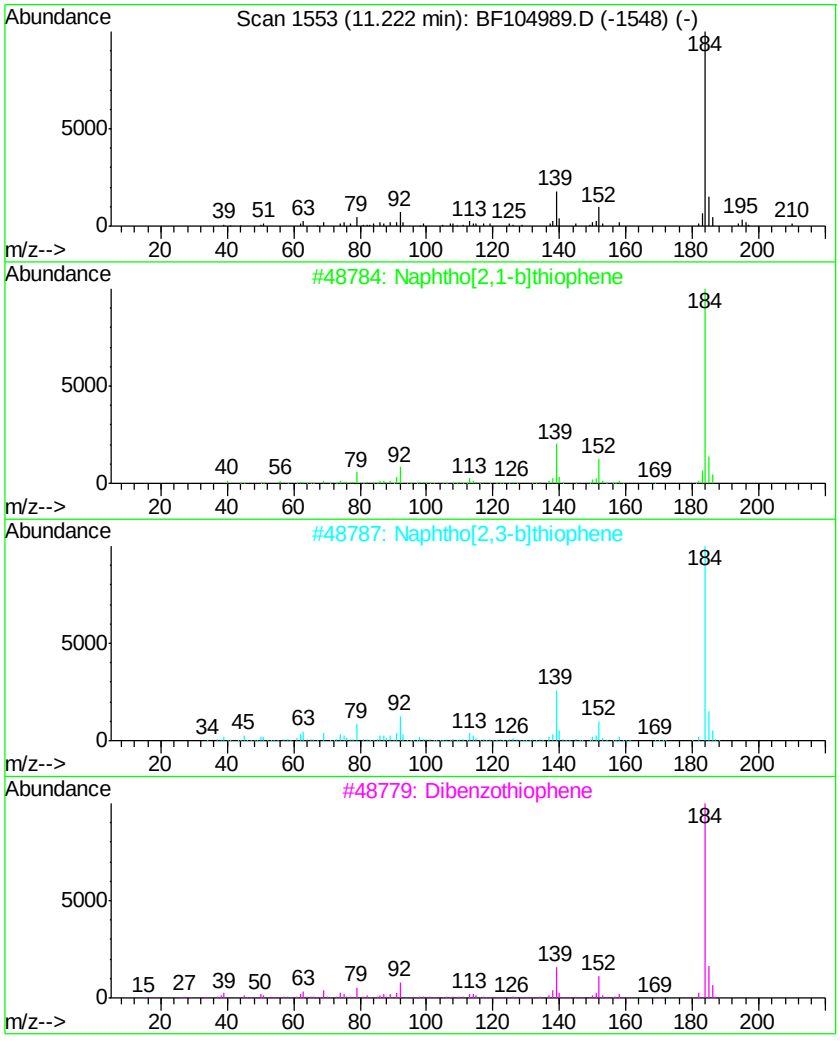
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

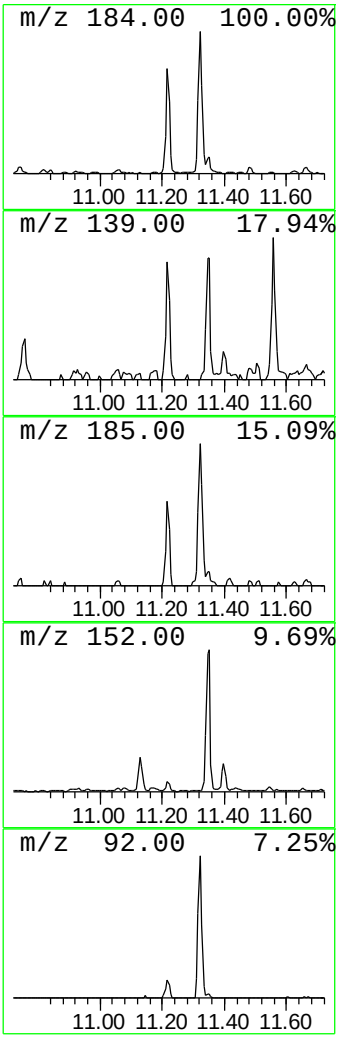
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.61 ng	126272	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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

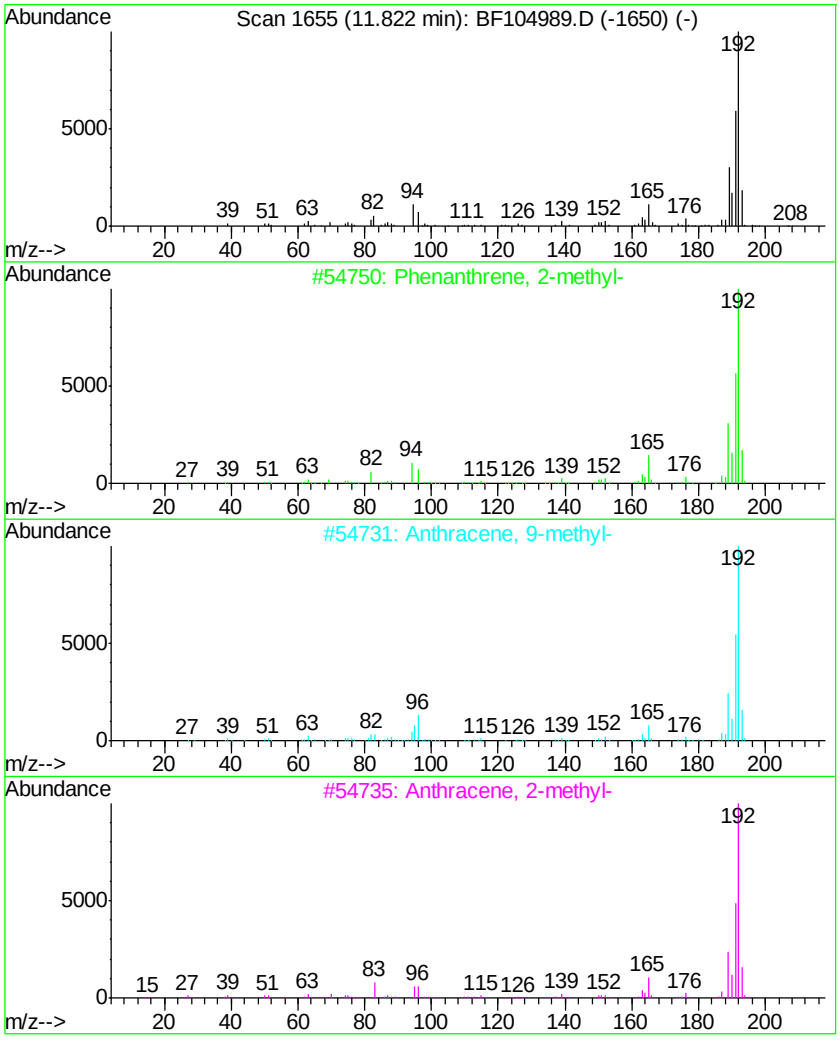
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

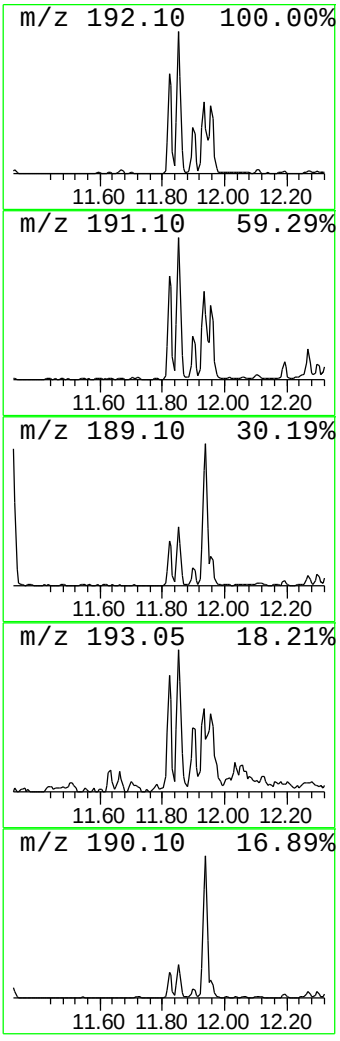
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.67 ng	225977	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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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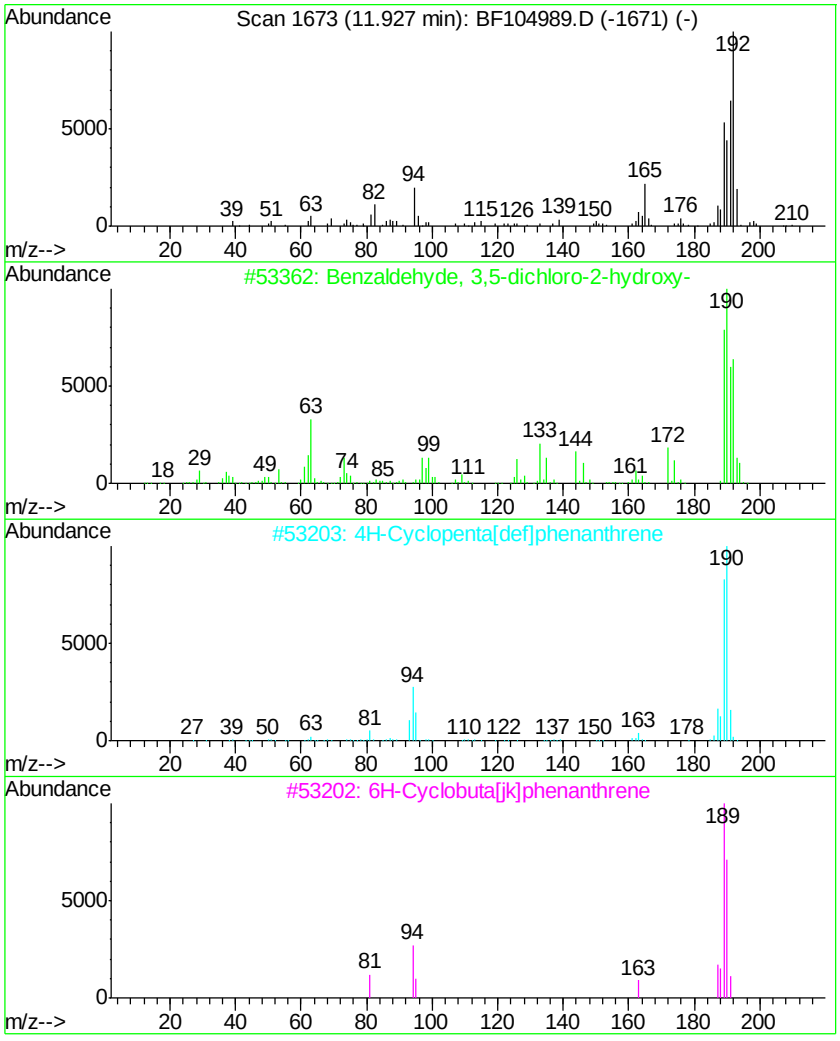
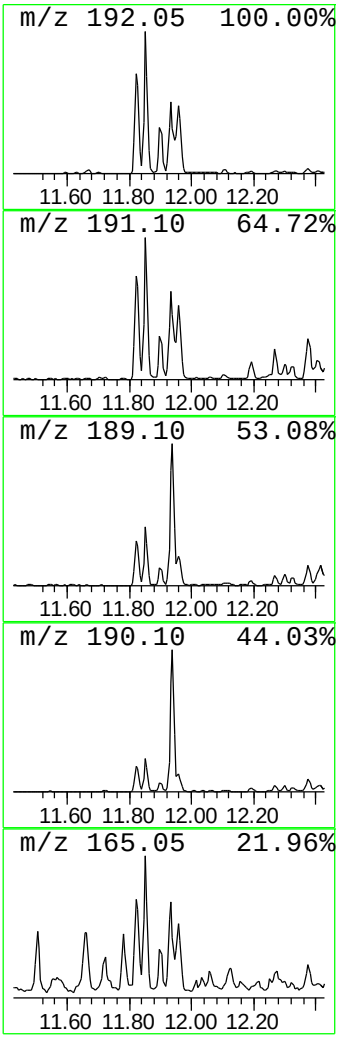
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	7.28 ng	352002	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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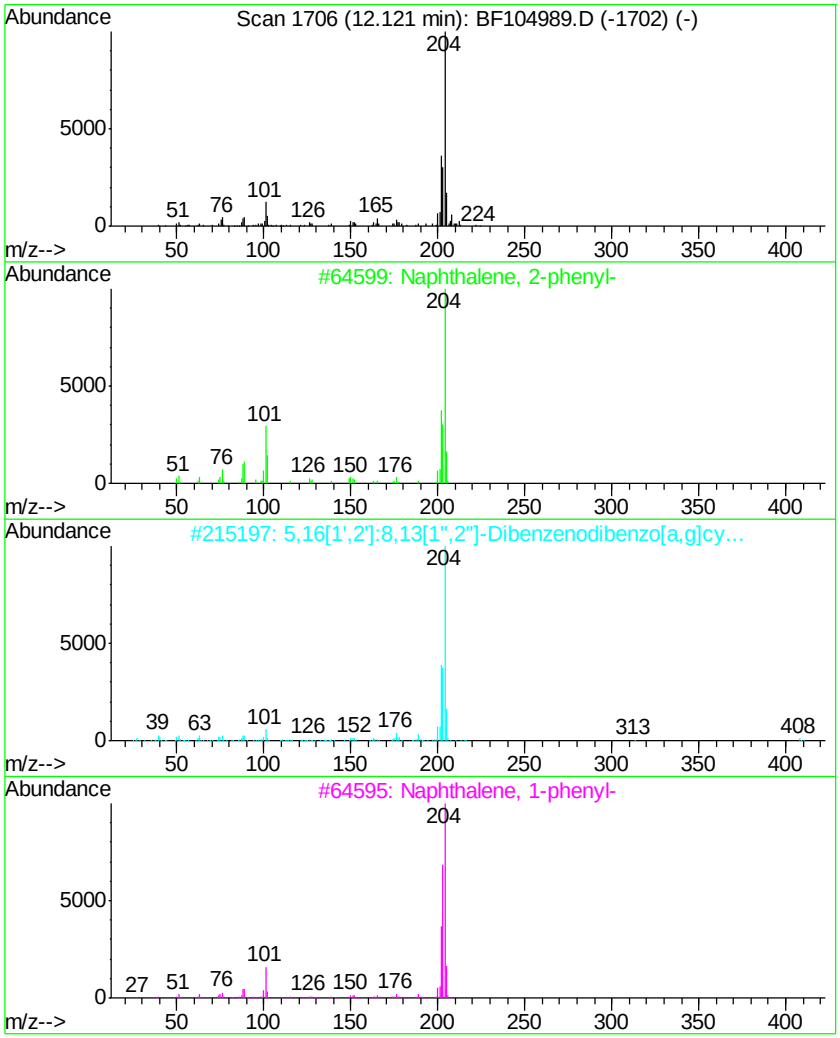
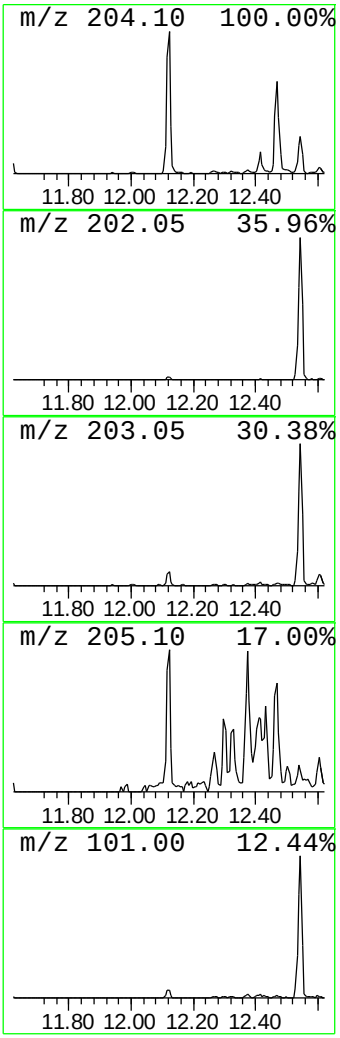
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.02 ng	146267	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64





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Misc :
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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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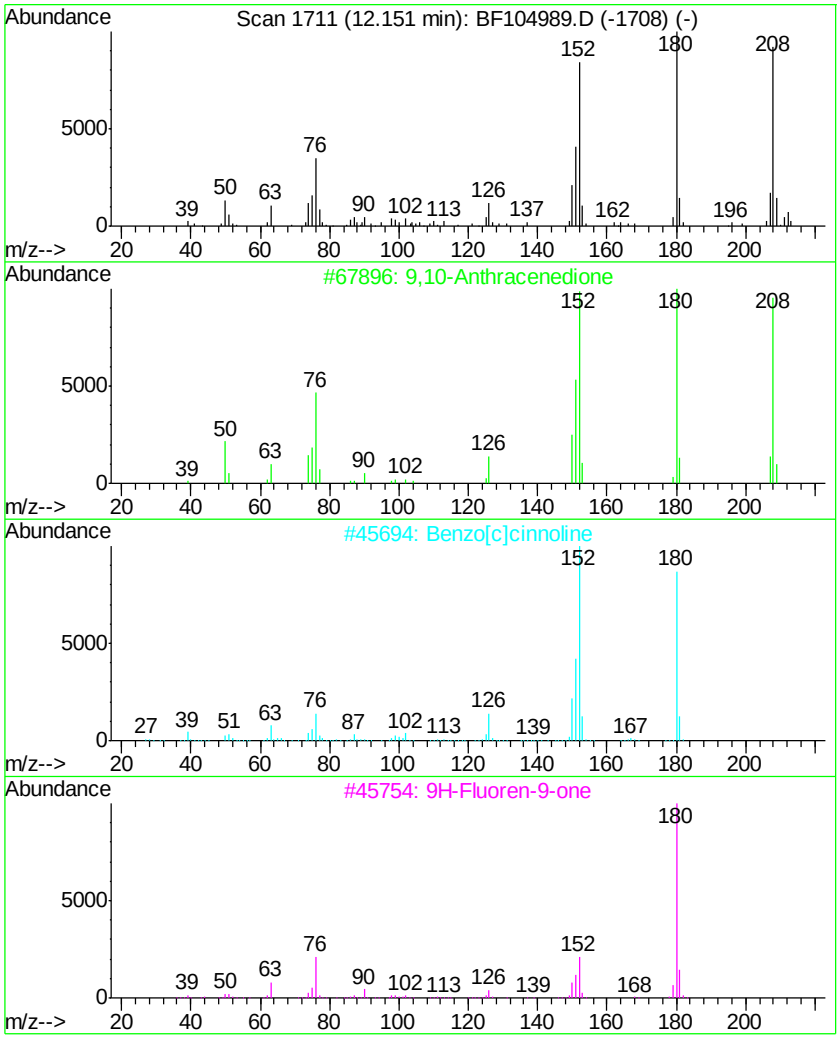
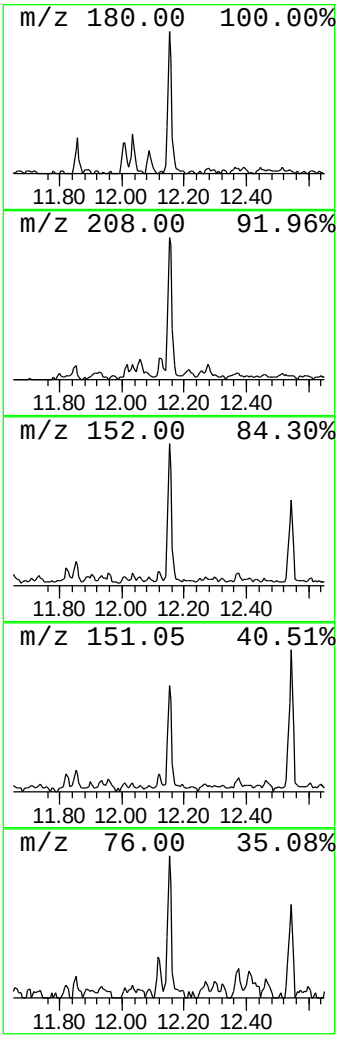
Peak Number 10 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.57 ng	124123	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58





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Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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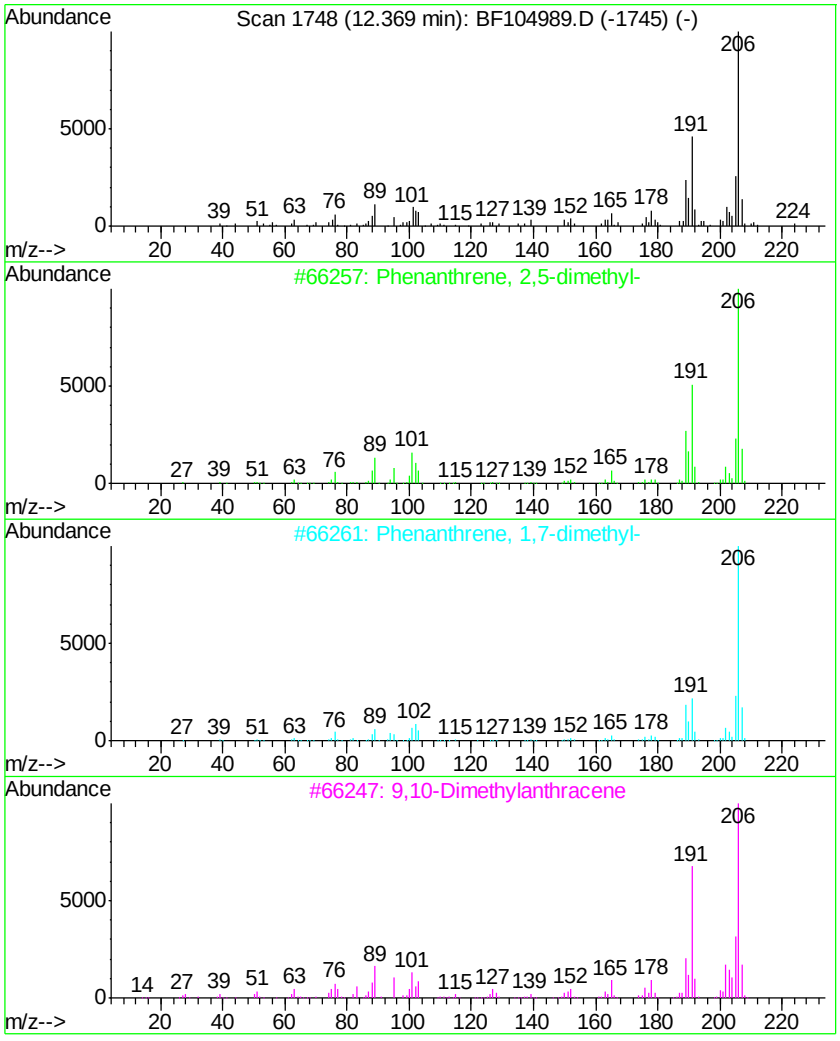
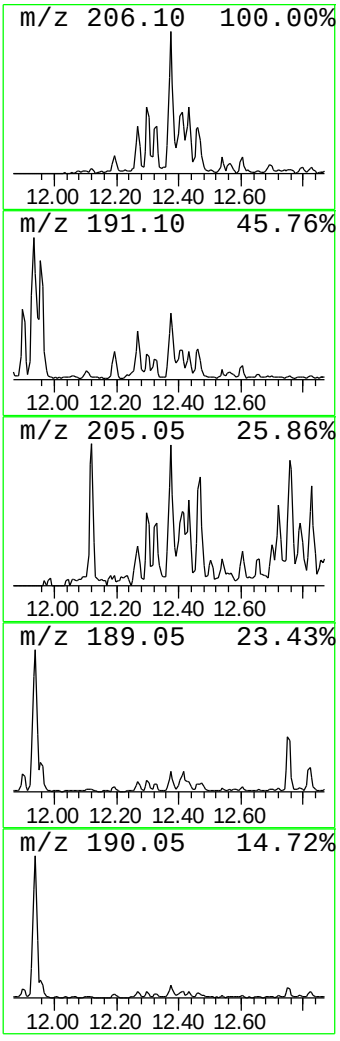
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.98 ng	143958	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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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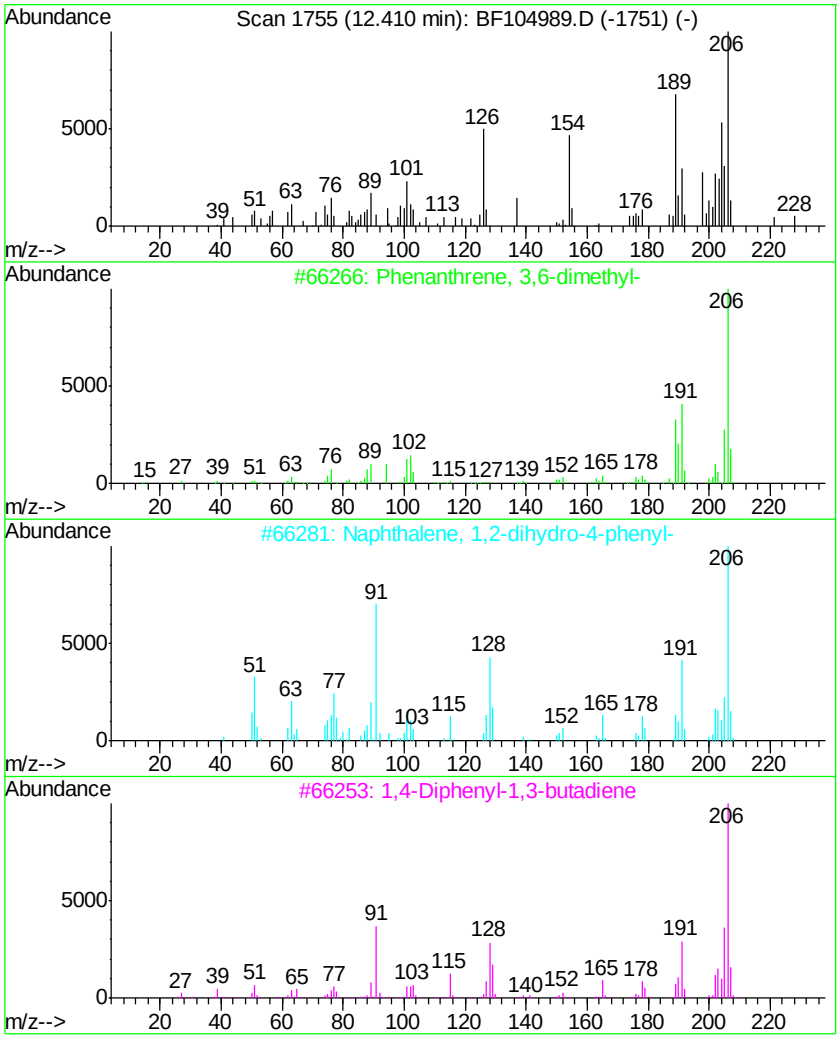
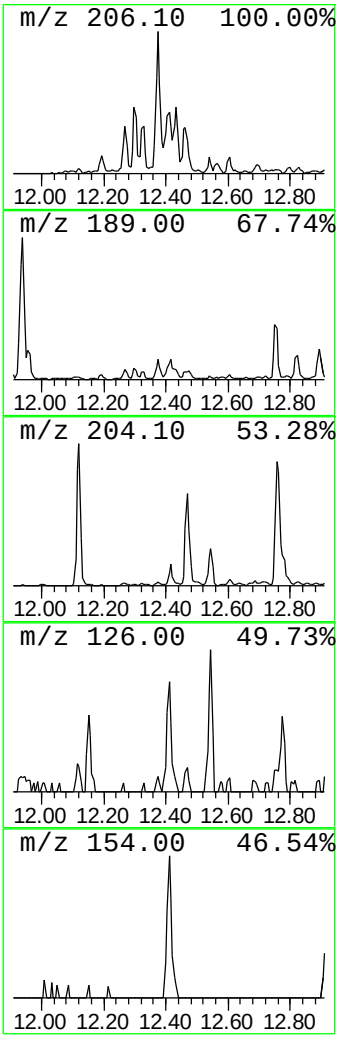
Peak Number 12 unknown12.41 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.57 ng	124573	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





Library Search Compound Report

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Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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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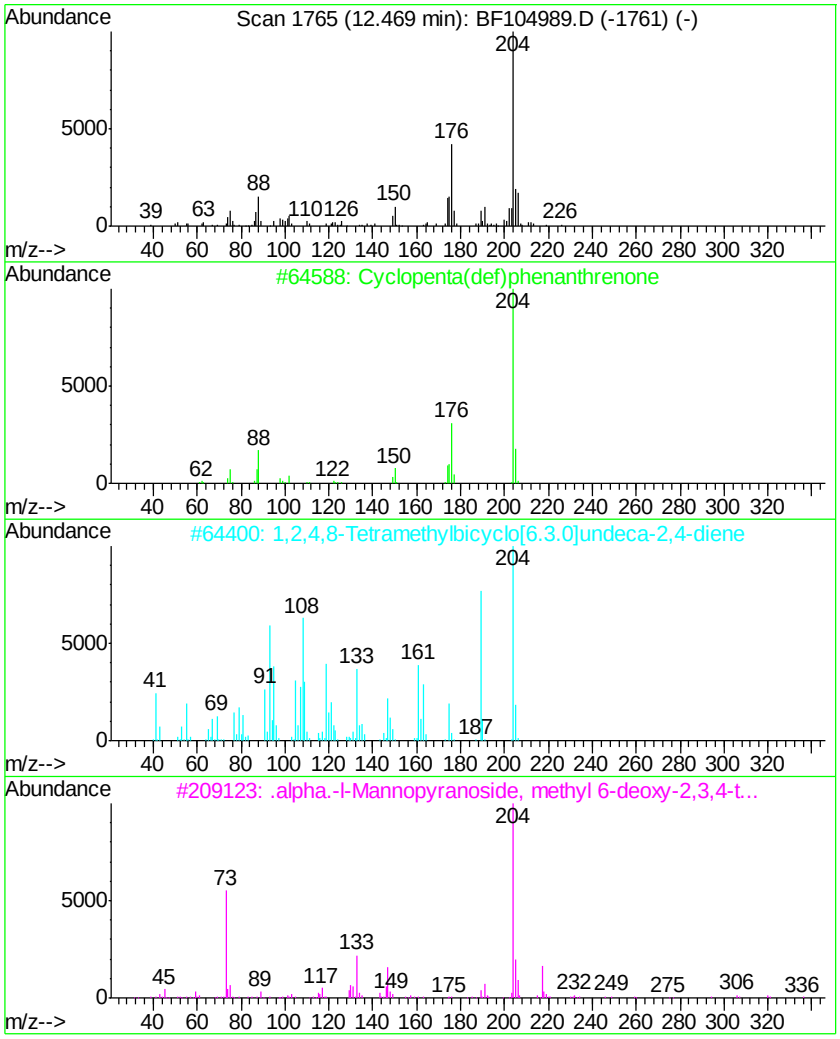
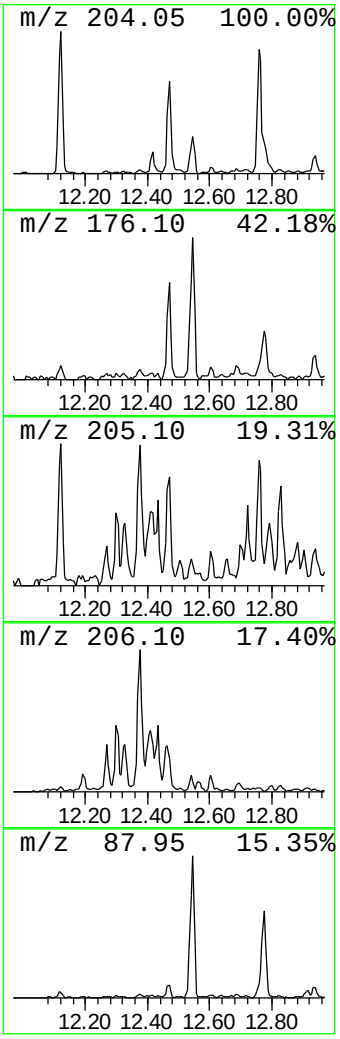
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.03 ng	146601	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	.alpha.-l-Mannopyranoside, methy...	394	C16H38O5Si3	056271-60-4	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	40





Library Search Compound Report

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Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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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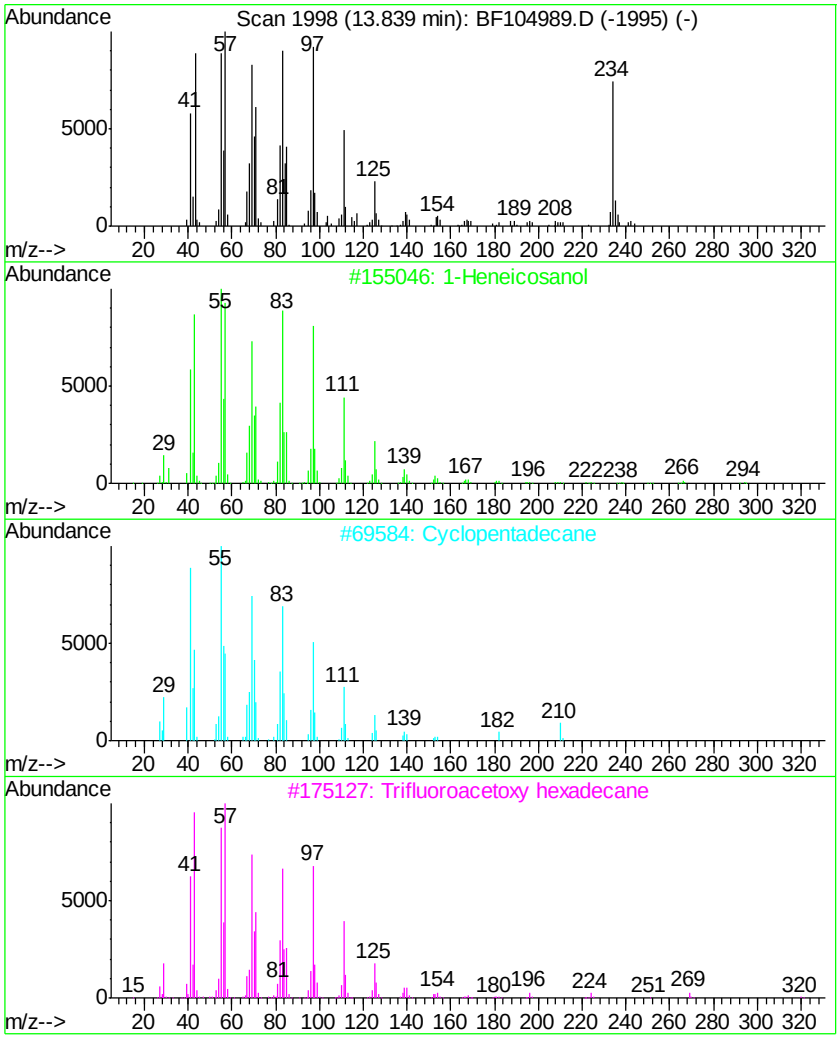
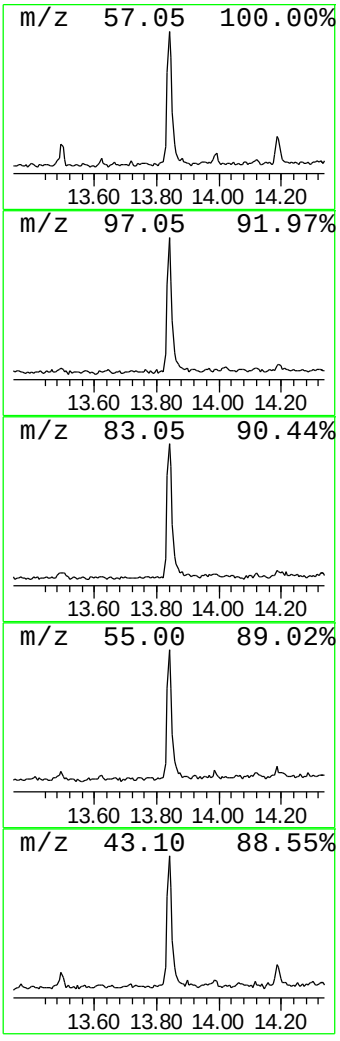
Peak Number 14 1-Heneicosanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	3.20 ng	318493	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Cyclopentadecane	210	C15H30	000295-48-7	83
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76
4	Behenic alcohol	326	C22H46O	000661-19-8	76
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	76





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Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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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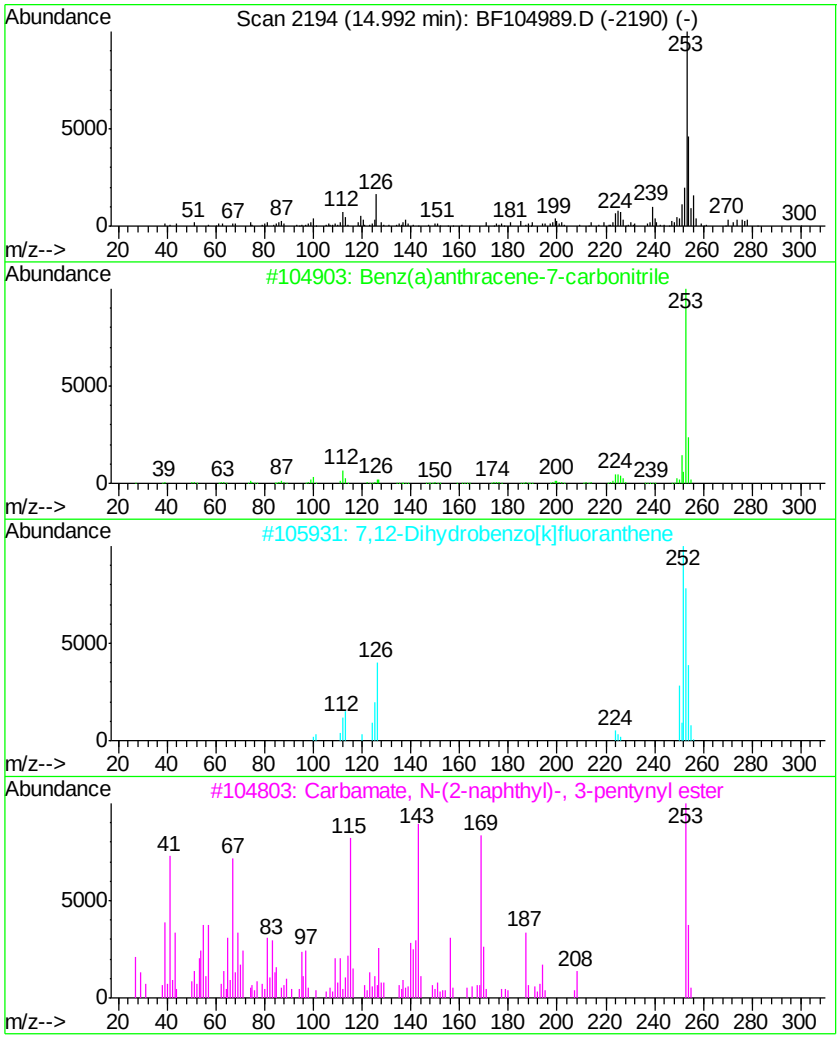
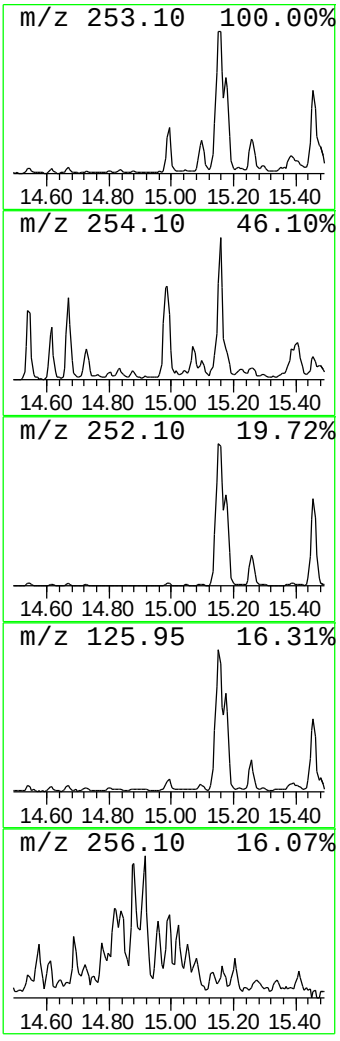
Peak Number 15 Benz(a)anthracene-7-carboni... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	3.12 ng	105475	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	90
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	47
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	46
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	45





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Acq On : 1 May 2018 17:41
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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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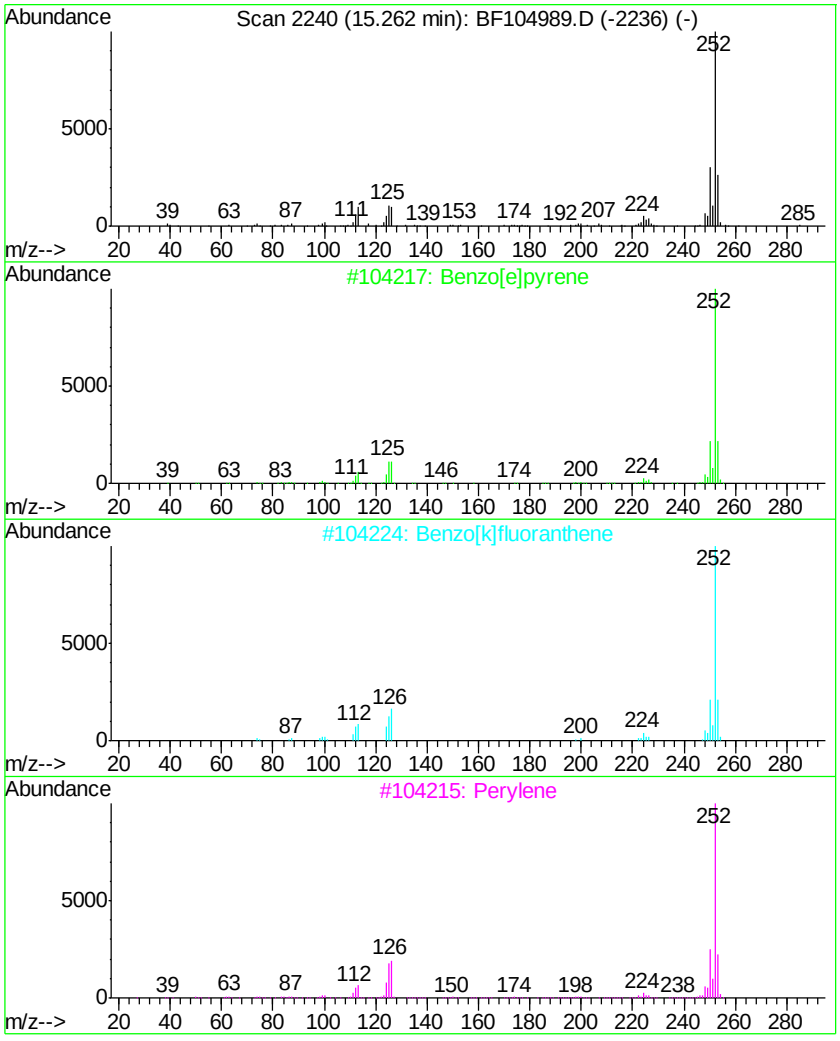
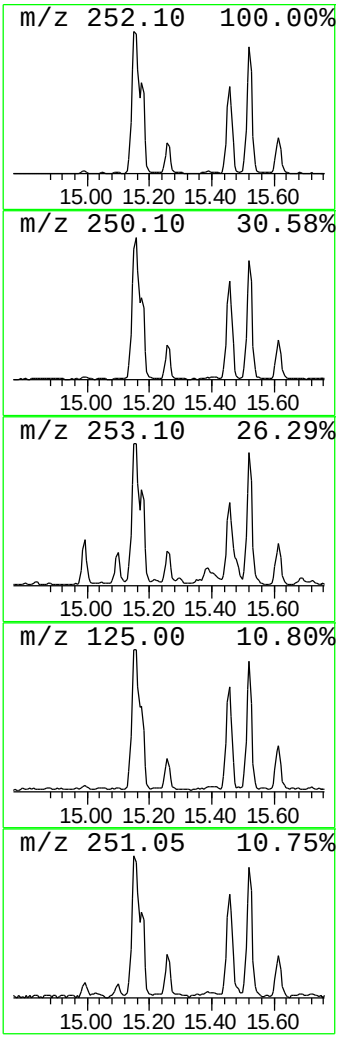
Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.14 ng	173703	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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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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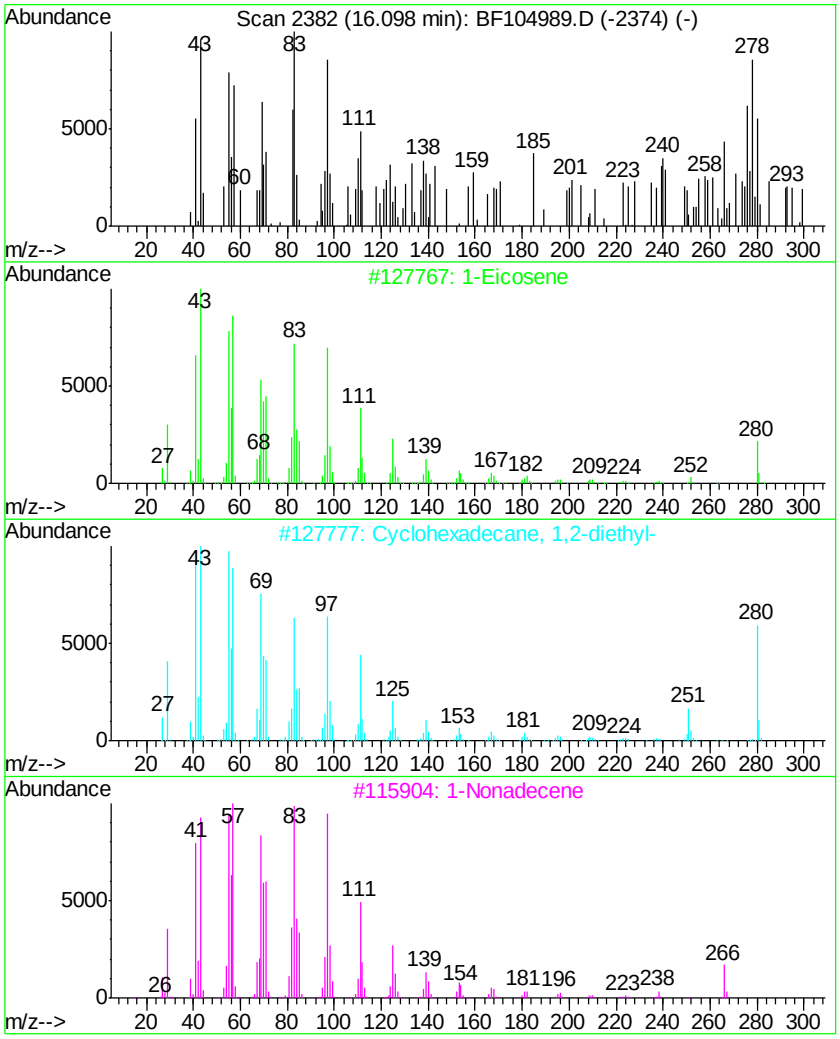
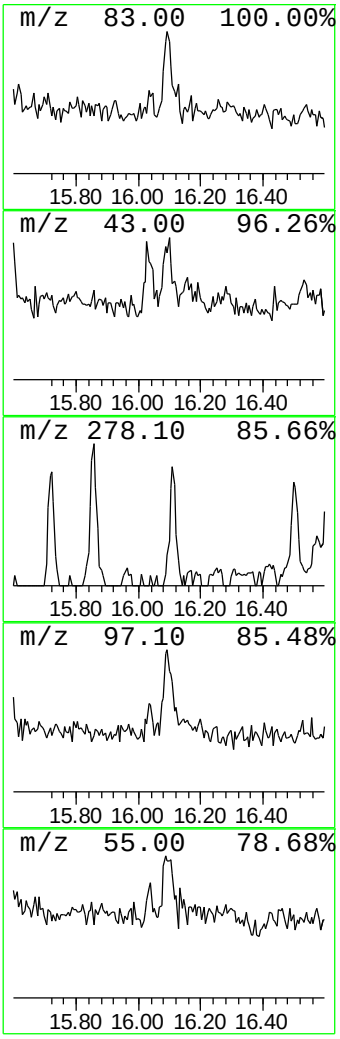
Peak Number 18 1-Eicosene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.76 ng	93053	Perylene-d12	15.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	50
2	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	44
3	1-Nonadecene	266	C19H38	018435-45-5	43
4	3,5-Dibromosalicylamide	293	C7H5Br2NO2	017892-25-0	25
5	2,6-Dibromo-4-isopropylaniline	291	C9H11Br2N	010546-65-3	25





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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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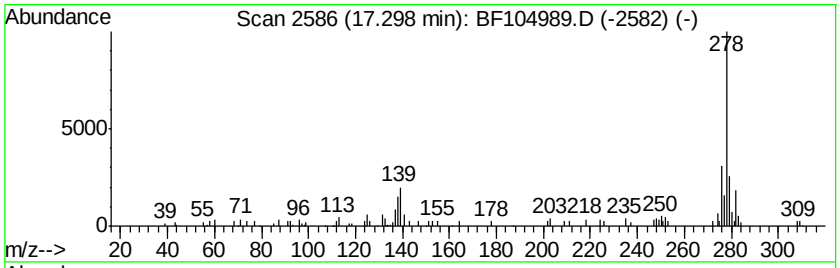
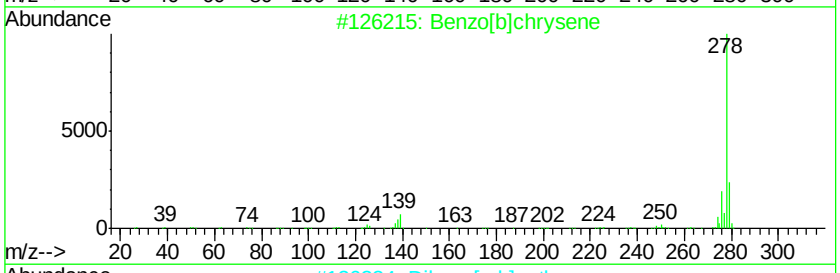
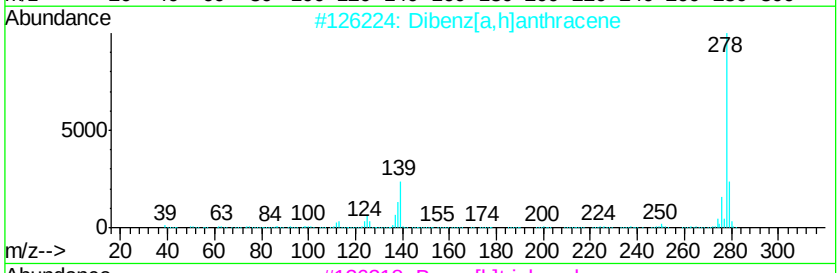
Peak Number 19 Benzo[b]chrysene Concentration Rank 17

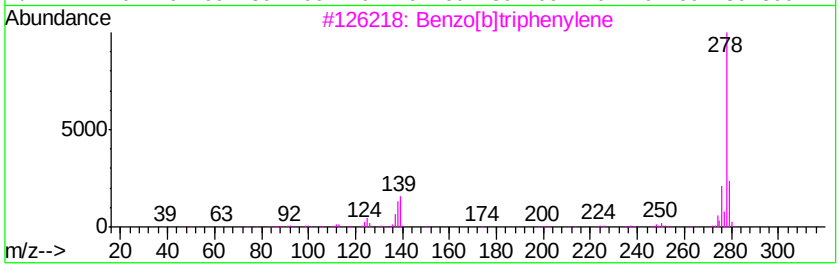
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	2.65 ng	89381	Perylene-d12	15.59

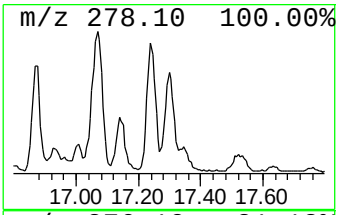
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	95
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4	Picene	278	C22H14	000213-46-7	90
5	Pentacene	278	C22H14	000135-48-8	89

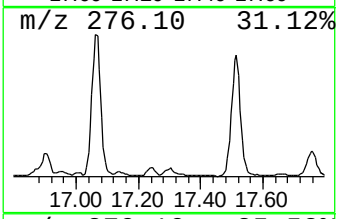


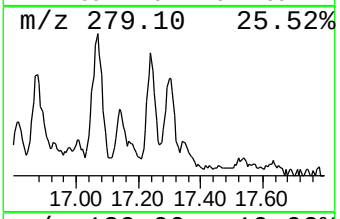


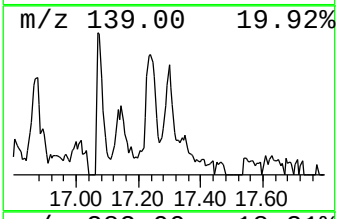


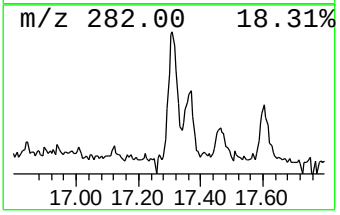












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104989.D
Acq On : 1 May 2018 17:41
Operator : JU/SJ
Sample : J2565-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4_0.0-0.5

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...	4.99	2.7	ng	92695	1	6.79	687333	20.0
unknown6.56	6.56	63.1	ng	2167140	1	6.79	687333	20.0
Heptadecane	10.73	3.5	ng	169492	4	11.32	967703	20.0
Naphtho[2,1-b]thi...	11.22	2.6	ng	126272	4	11.32	967703	20.0
Phenanthrene, 2-m...	11.82	4.7	ng	225977	4	11.32	967703	20.0
Benzaldehyde, 3,5...	11.93	7.3	ng	352002	4	11.32	967703	20.0
Naphthalene, 2-ph...	12.12	3.0	ng	146267	4	11.32	967703	20.0
9,10-Anthracenedione	12.15	2.6	ng	124123	4	11.32	967703	20.0
Phenanthrene, 2,5...	12.37	3.0	ng	143958	4	11.32	967703	20.0
unknown12.41	12.41	2.6	ng	124573	4	11.32	967703	20.0
Cyclopenta(def)ph...	12.47	3.0	ng	146601	4	11.32	967703	20.0
1-Heneicosanol	13.84	3.2	ng	318493	5	14.03	1992490	20.0
Benz(a)anthracene...	14.99	3.1	ng	105475	6	15.59	675301	20.0
Benzo[e]pyrene	15.26	5.1	ng	173703	6	15.59	675301	20.0
1-Eicosene	16.10	2.8	ng	93053	6	15.59	675301	20.0
Benzo[b]chrysene	17.30	2.6	ng	89381	6	15.59	675301	20.0