LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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	475	481	489	rBV	153453	220643	7.14%	0.413%
2	5.328	546	551	554	rBV	2929287	2902644	93.91%	5.427%
3	6.357	721	726	743	rBV	2532766	3008295	97.32%	5.625%
4	6.487	743	748	751	rBV	3197663	2934813	94.95%	5.487%
5	6.716	783	787	793	rBV	931575	787583	25.48%	1.473%
6	6.869	809	813	817	rBV	2513511	2312484	74.81%	4.324%
7	7.281	878	883	886	rBV	1847588	1776970	57.49%	3.322%
8	7.998	1001	1005	1007	rBV	1157730	1002697	32.44%	1.875%
9	8.016	1007	1008	1014	rVB	461910	345127	11.17%	0.645%
10	8.710	1122	1126	1133	rBV	179104	152361	4.93%	0.285%
11	8.804	1139	1142	1146	rBV	108350	97694	3.16%	0.183%
12	9.075	1183	1188	1191	rBV	3262956	2739641	88.63%	5.122%
13	9.151	1198	1201	1203	rBV	46921	39482	1.28%	0.074%
14	9.175	1203	1205	1210	rVB	63287	61519	1.99%	0.115%
15	9.339	1228	1233	1239	rBV	47421	68600	2.22%	0.128%
16	9.410	1241	1245	1247	rBV	75100	74724	2.42%	0.140%
17	9.469	1252	1255	1258	rVV	383030	310034	10.03%	0.580%
18	9.528	1262	1265	1269	rBV2	39341	43388	1.40%	0.081%
19	9.610	1276	1279	1284	rBV	98654	84978	2.75%	0.159%
20	9.681	1288	1291	1294	rBV	137723	102086	3.30%	0.191%
21	9.751	1294	1303	1306	rBV	1058969	974822	31.54%	1.823%
22	9.781	1306	1308	1312	rVB	568497	425044	13.75%	0.795%
23	9.904	1324	1329	1333	rBV4	46601	56339	1.82%	0.105%
24	9.951	1333	1337	1342	rVV	340551	330312	10.69%	0.618%
25	9.998	1342	1345	1349	rVB3	37180	49063	1.59%	0.092%
26	10.180	1373	1376	1378	rVB	148468	115526	3.74%	0.216%
27	10.298	1392	1396	1401	rVB	555998	510004	16.50%	0.954%
28	10.380	1408	1410	1412	rBV	59323	52019	1.68%	0.097%
29	10.451	1420	1422	1425	rVB	96077	76598	2.48%	0.143%
30	10.539	1430	1437	1441	rBV	1643557	1549890	50.14%	2.898%
31	10.651	1453	1456	1462	rVB2	124119	149801	4.85%	0.280%
32	10.845	1482	1489	1491	rBV2	86498	115305	3.73%	0.216%
33	10.928	1496	1503	1505	rVB3	26964	42691	1.38%	0.080%
34	11.039	1520	1522	1526	rVB	75409	64386	2.08%	0.120%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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	11.098	1526	1532	1534	rVV4	64843	104061	3.37%	0.195%
36	11.127	1534	1537	1543	rVB	200368	186440	6.03%	0.349%
37	11.233	1551	1555	1557	rBV	859909	818263	26.47%	1.530%
38	11.263	1557	1560	1563	rVV	2832070	2403491	77.76%	4.494%
39	11.310	1563	1568	1571	rVV	1237267	1054324	34.11%	1.971%
40	11.345	1571	1574	1577	rVB	94572	85507	2.77%	0.160%
41	11.469	1588	1595	1600	rBV	445794	483492	15.64%	0.904%
42	11.527	1603	1605	1609	rVV3	79916	84236	2.73%	0.157%
43	11.563	1609	1611	1616	rVB3	43334	52571	1.70%	0.098%
44	11.733	1635	1640	1643	rBV	260128	246346	7.97%	0.461%
45	11.763	1643	1645	1649	rVV	395532	311354	10.07%	0.582%
46	11.810	1649	1653	1656	rVV	175836	156398	5.06%	0.292%
47	11.845	1656	1659	1662	rVV	557852	576463	18.65%	1.078%
48	11.869	1662	1663	1667	rVB	173391	104745	3.39%	0.196%
49	11.916	1667	1671	1673	rBV3	47348	53397	1.73%	0.100%
50	12.027	1688	1690	1693	rBV	173636	158561	5.13%	0.296%
51	12.057	1693	1695	1698	rVB	108177	83318	2.70%	0.156%
52	12.180	1713	1716	1718	rVB2	49412	46218	1.50%	0.086%
53	12.210	1718	1721	1723	rBV	50842	39261	1.27%	0.073%
54	12.233	1723	1725	1728	rVB	44472	36763	1.19%	0.069%
55	12.280	1730	1733	1737	rBV2	107477	142226	4.60%	0.266%
56	12.322	1737	1740	1742	rVV	74724	74548	2.41%	0.139%
57	12.369	1745	1748	1754	rBV2	124924	149109	4.82%	0.279%
58	12.451	1757	1762	1765	rBV	2930797	2819669	91.22%	5.272%
59	12.510	1770	1772	1775	rVB	58965	44155	1.43%	0.083%
60	12.539	1775	1777	1780	rVB	54301	41166	1.33%	0.077%
61	12.592	1780	1786	1794	rBV3	128472	231213	7.48%	0.432%
62	12.680	1794	1801	1806	rBV	2612172	3090999	100.00%	5.779%
63	12.722	1806	1808	1813	rVB3	120669	125773	4.07%	0.235%
64	12.792	1817	1820	1821	rBV	166815	127410	4.12%	0.238%
65	12.822	1821	1825	1831	rVB	2389612	2299880	74.41%	4.300%
66	12.892	1832	1837	1841	rBV2	148357	258177	8.35%	0.483%
67	12.927	1841	1843	1845	rVB	83507	60483	1.96%	0.113%
68	12.980	1848	1852	1853	rBV3	135291	153912	4.98%	0.288%
69	13.004	1853	1856	1859	rVB	469965	406087	13.14%	0.759%
70	13.033	1859	1861	1863	rBV2	44491	41766	1.35%	0.078%
71	13.069	1864	1867	1870	rBV	432570	351808	11.38%	0.658%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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	13.104	1870	1873	1876	rBV2	231953	240930	7.79%	0.450%
73	13.163	1881	1883	1885	rBV	56667	43712	1.41%	0.082%
74	13.198	1886	1889	1892	rBV	133611	112508	3.64%	0.210%
75	13.227	1892	1894	1898	rBV	129628	121449	3.93%	0.227%
76	13.486	1935	1938	1939	rBV2	51335	50340	1.63%	0.094%
77	13.510	1940	1942	1946	rVB	139123	136647	4.42%	0.255%
78	13.621	1958	1961	1963	rBV	187005	180877	5.85%	0.338%
79	13.651	1963	1966	1967	rVV	208130	193885	6.27%	0.363%
80	13.669	1967	1969	1974	rVV2	201071	303764	9.83%	0.568%
81	13.716	1974	1977	1981	rVB3	401569	406466	13.15%	0.760%
82	13.868	1996	2003	2006	rBV2	1576194	2511078	81.24%	4.695%
83	13.904	2006	2009	2014	rVB	1258358	1244219	40.25%	2.326%
84	13.980	2019	2022	2024	rBV	351464	298983	9.67%	0.559%
85	14.068	2035	2037	2038	rBV	69976	56068	1.81%	0.105%
86	14.104	2041	2043	2046	rVB	113217	91039	2.95%	0.170%
87	14.257	2067	2069	2072	rVB	223464	190143	6.15%	0.356%
88	14.292	2073	2075	2079	rVB	103307	81289	2.63%	0.152%
89	14.351	2082	2085	2088	rVV2	213185	260016	8.41%	0.486%
90	14.380	2088	2090	2092	rVV	135643	131484	4.25%	0.246%
91	14.404	2092	2094	2098	rVB2	161281	141582	4.58%	0.265%
92	14.898	2173	2178	2181	rBV	971513	1562568	50.55%	2.922%
93	14.963	2186	2189	2191	rVV2	124548	139573	4.52%	0.261%
94	14.992	2191	2194	2198	rVB	262361	280403	9.07%	0.524%
95	15.180	2223	2226	2232	rVB	517526	660422	21.37%	1.235%
96	15.245	2232	2237	2242	rBV	875792	1008423	32.62%	1.885%
97	15.304	2243	2247	2249	rVV	533871	675906	21.87%	1.264%
98	15.327	2249	2251	2261	rVB	260293	370301	11.98%	0.692%
99	16.692	2478	2483	2489	rVB2	298942	505093	16.34%	0.944%
100	17.109	2550	2554	2564	rVB	206179	403870	13.07%	0.755%

Sum of corrected areas: 53484191

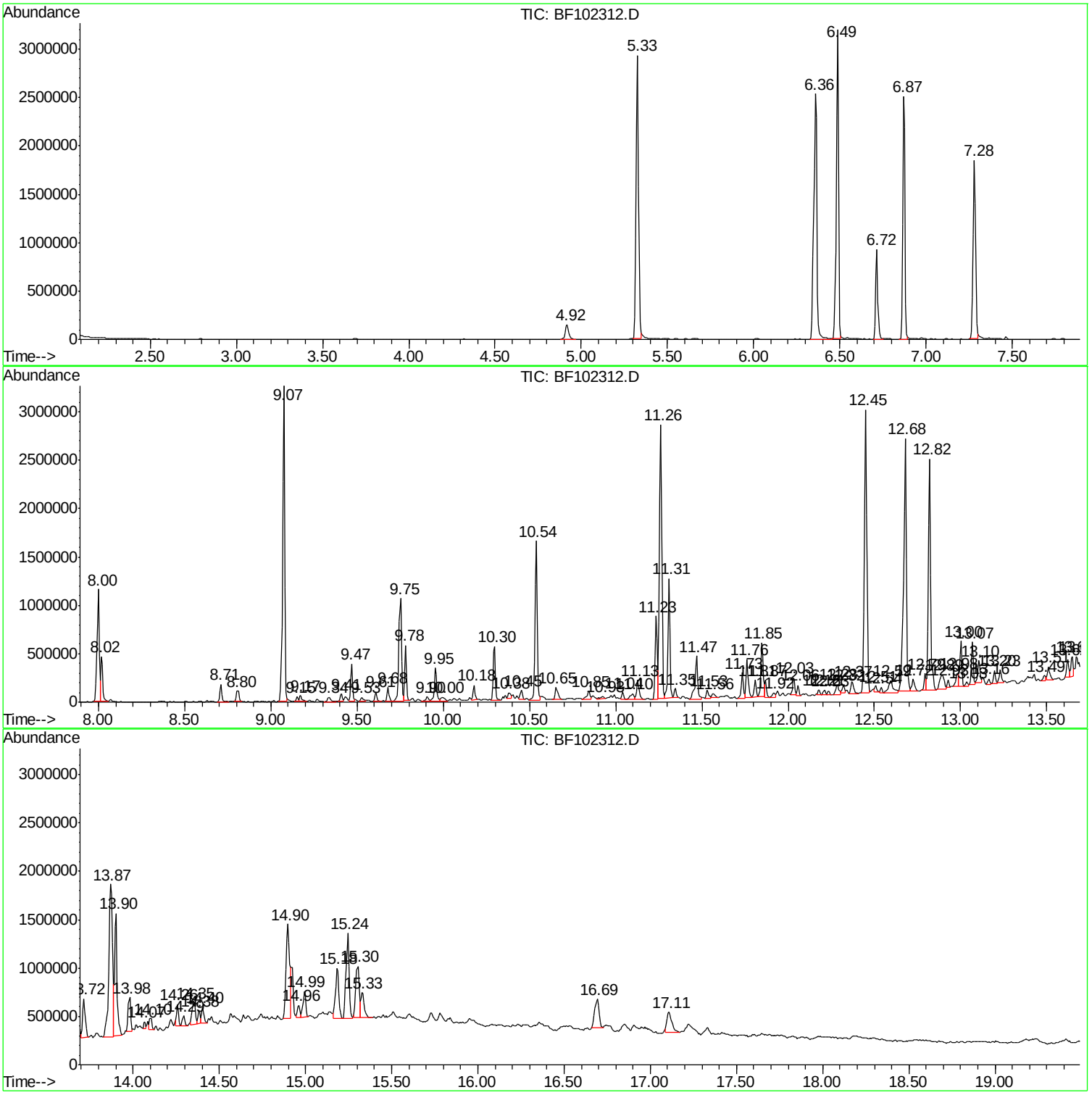
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

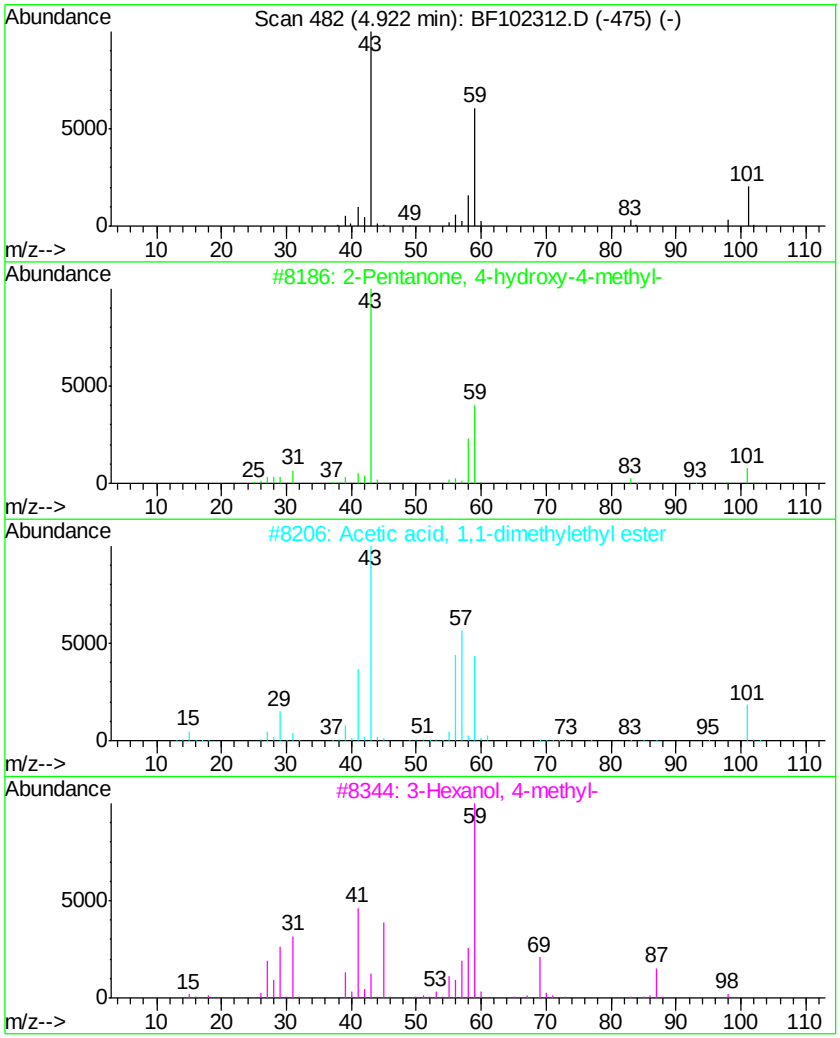
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

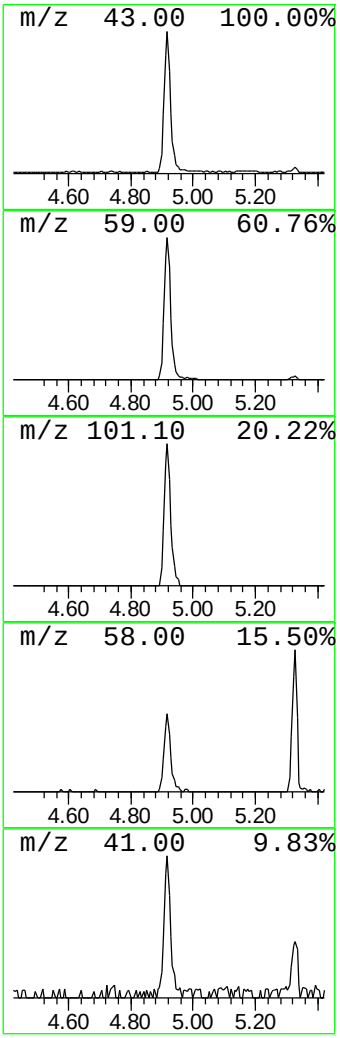
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	5.60 ng	220643	1,4-Dichlorobenzene-d4	6.72

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	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

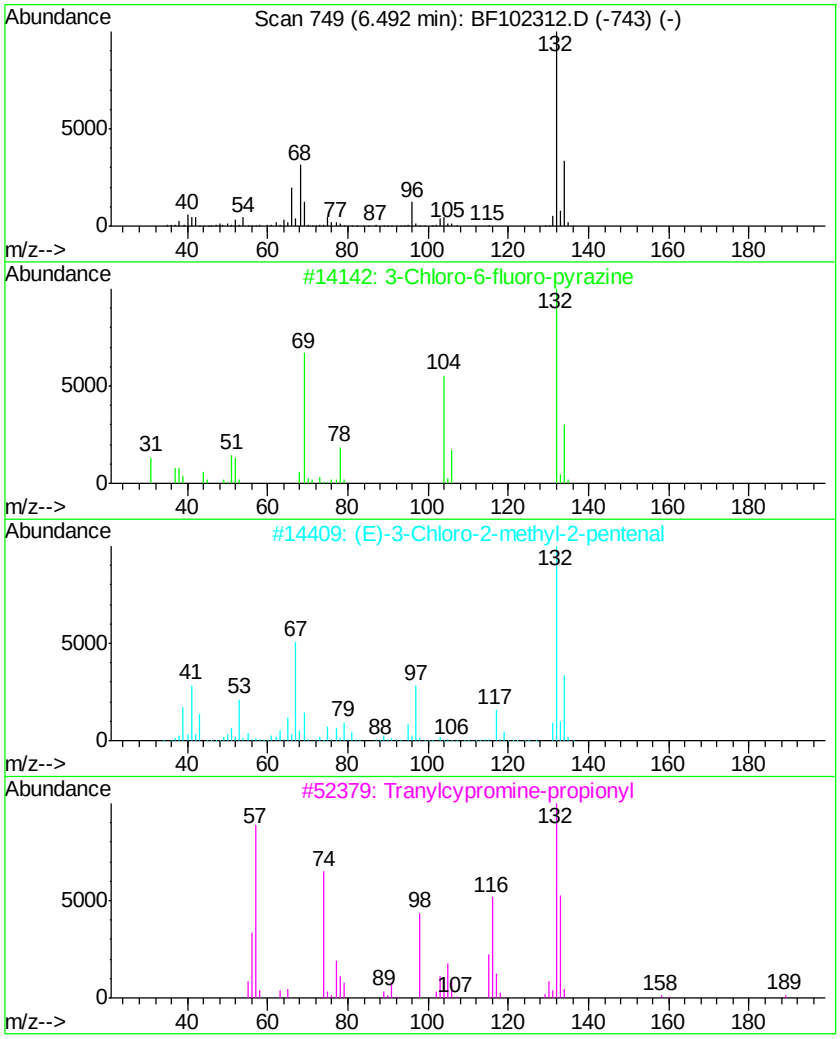
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

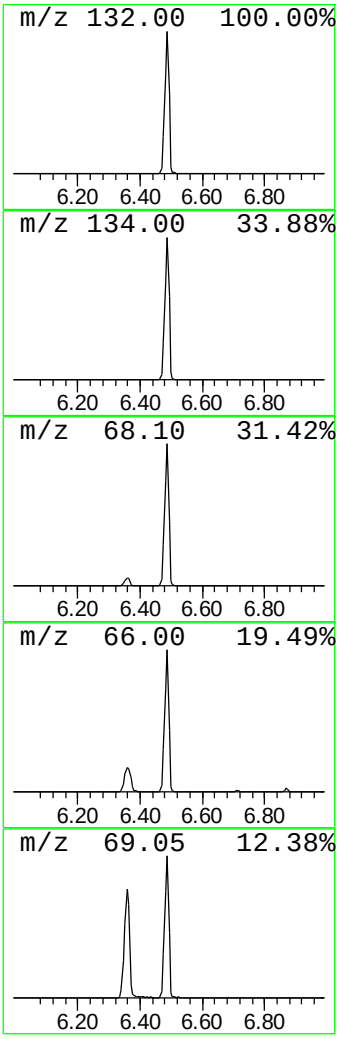
****

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	74.53 ng	2934810	1,4-Dichlorobenzene-d4	6.72

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

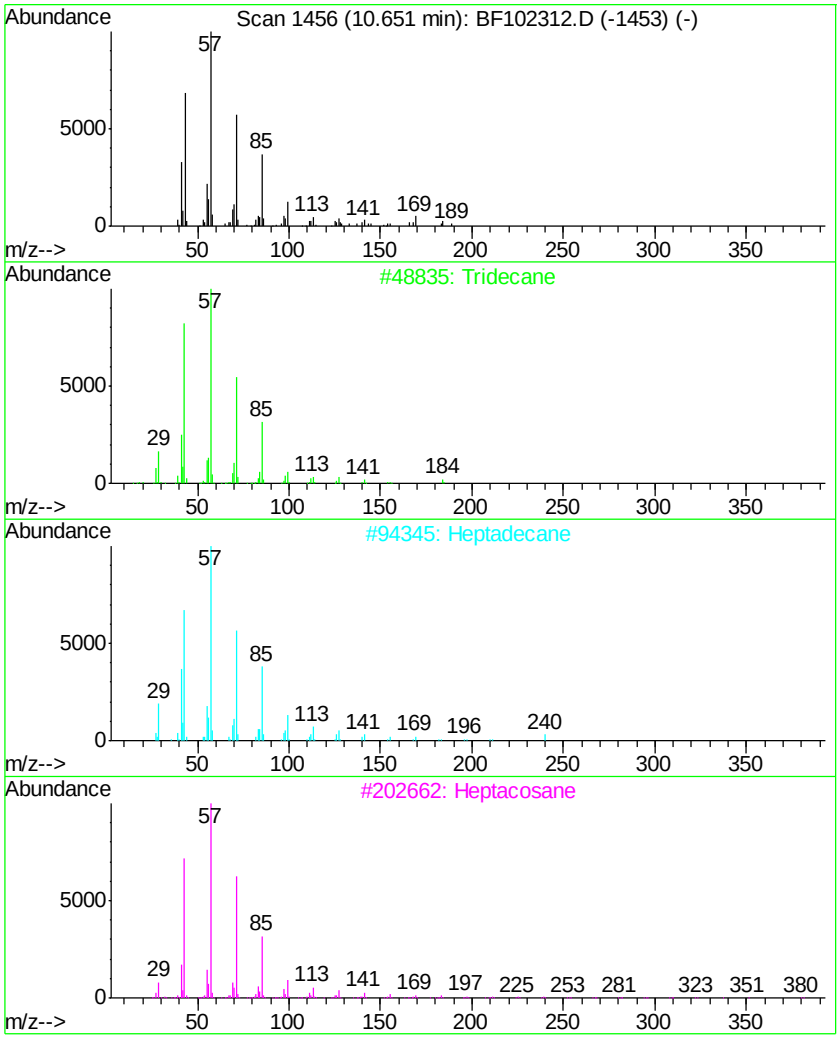
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

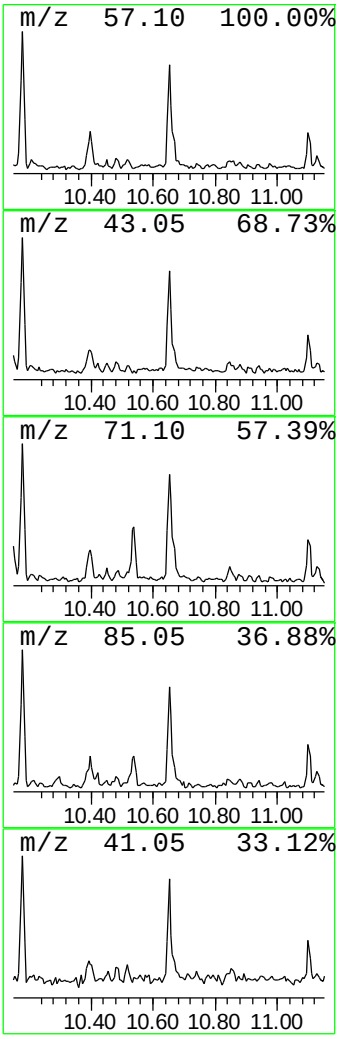
****

Peak Number 4 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	3.66 ng	149801	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Heptadecane	240	C17H36	000629-78-7	91
3	Heptacosane	380	C27H56	000593-49-7	90
4	Tetracosane	338	C24H50	000646-31-1	87
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

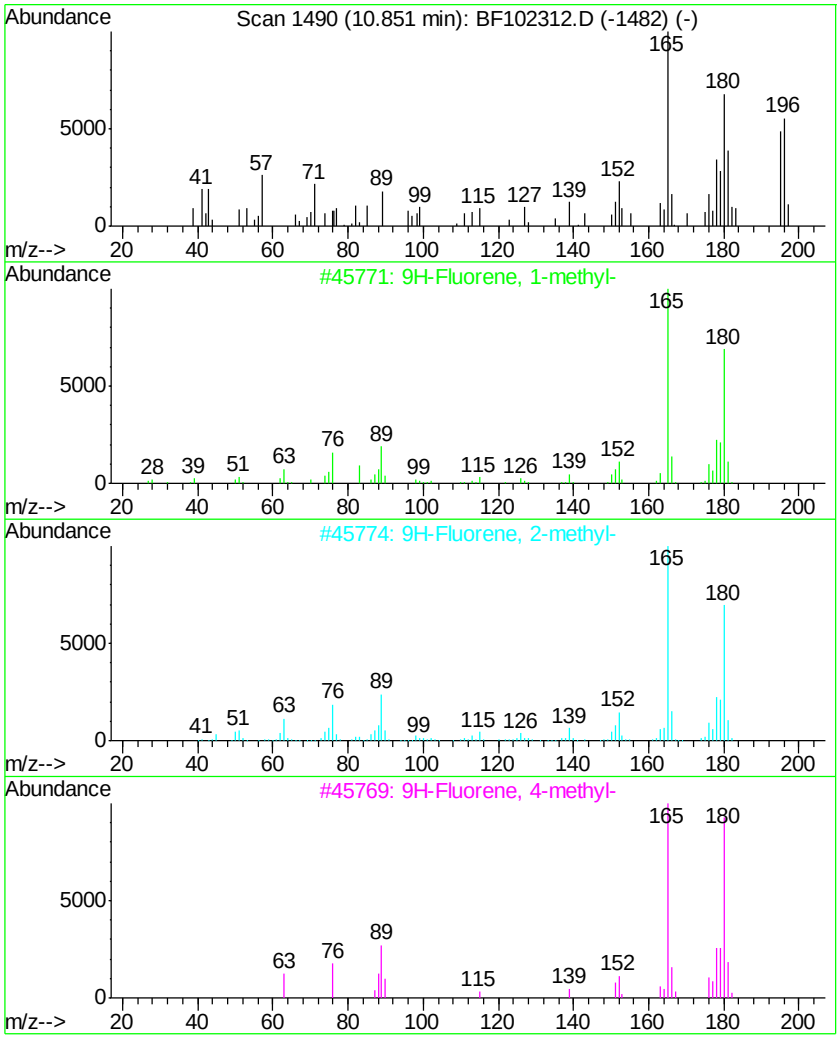
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

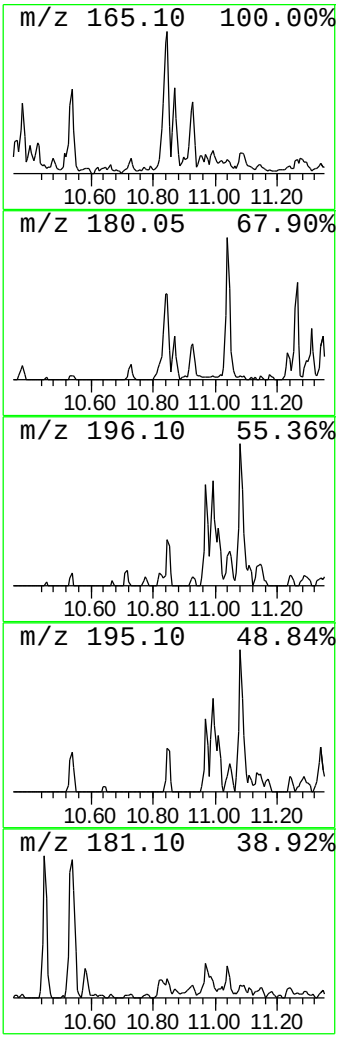
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.82 ng	115305	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

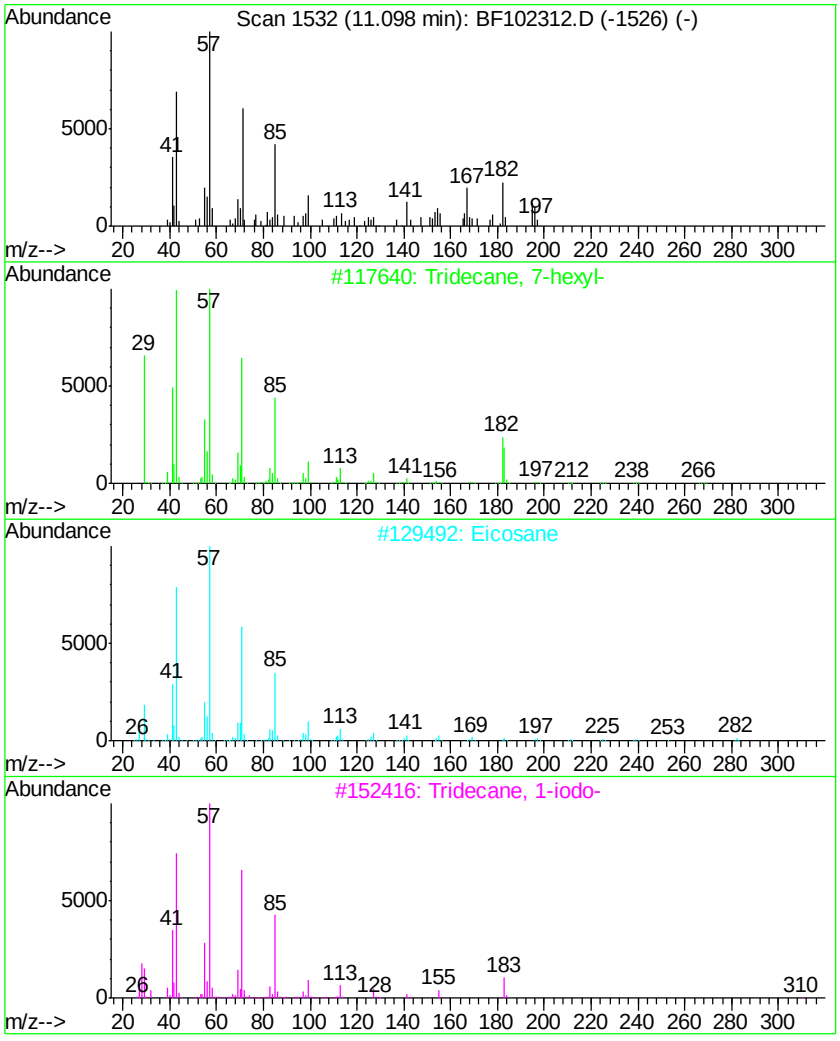
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

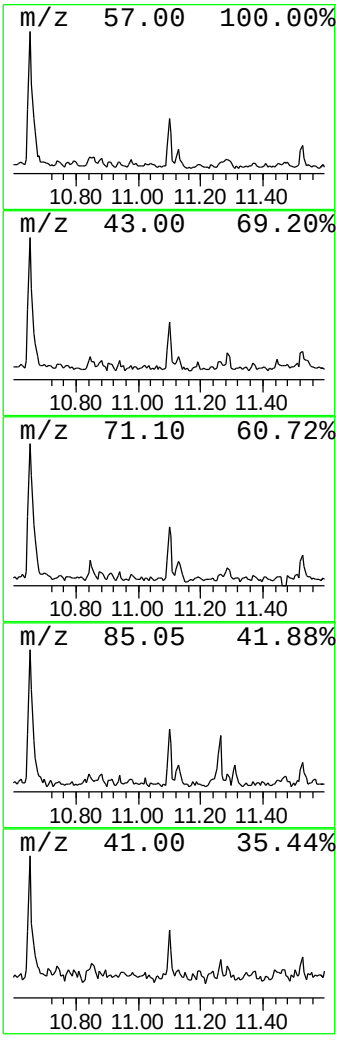
****

Peak Number 6 Tridecane, 7-hexyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.54 ng	104061	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	62
2	Eicosane	282	C20H42	000112-95-8	49
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	49
4	Heneicosane	296	C21H44	000629-94-7	49
5	Tetracosane	338	C24H50	000646-31-1	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

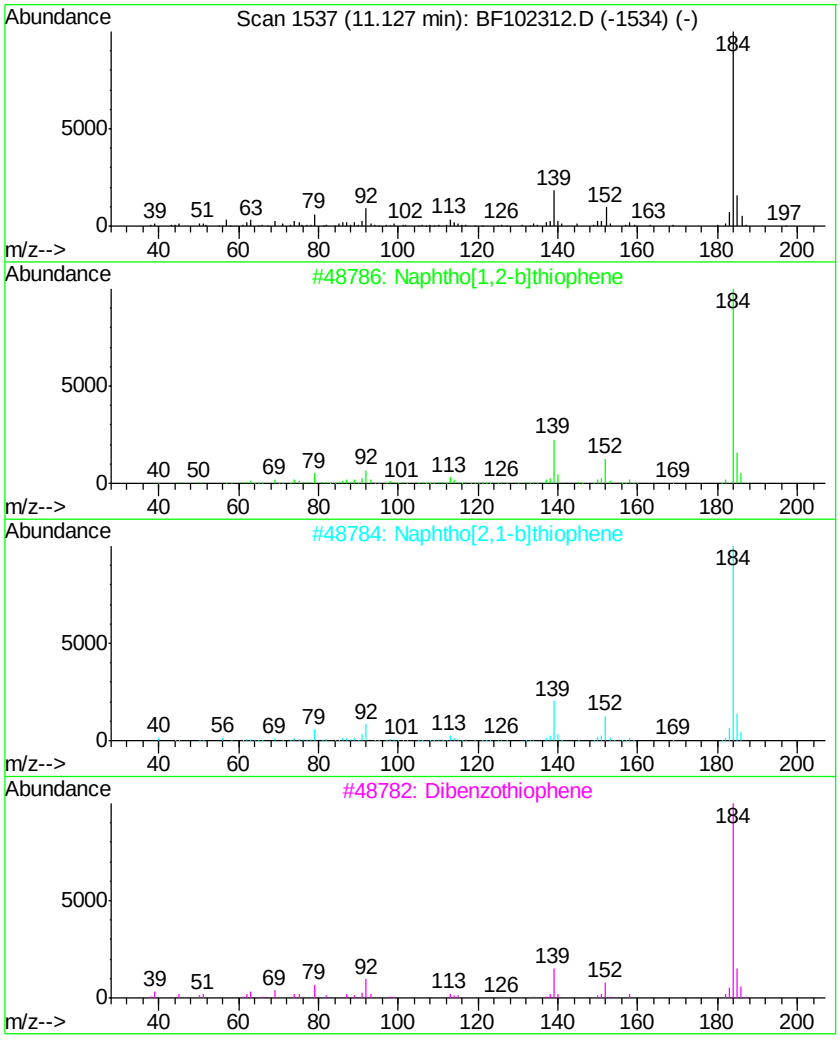
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

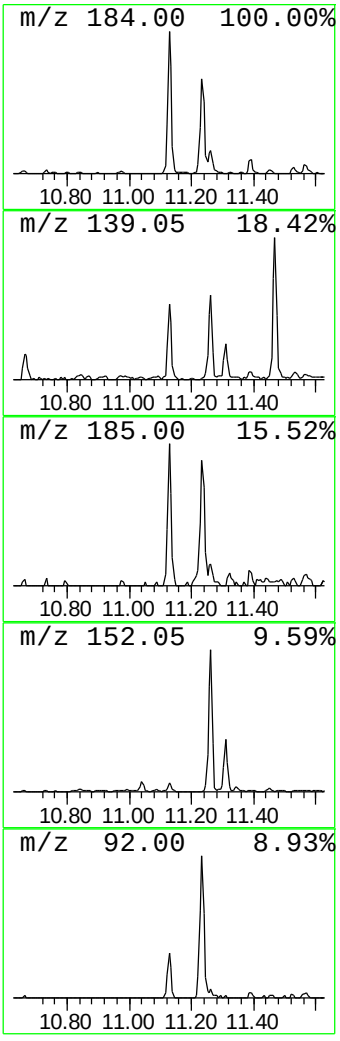
****

Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	4.56 ng	186440	Phenanthrene-d10	11.23

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





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

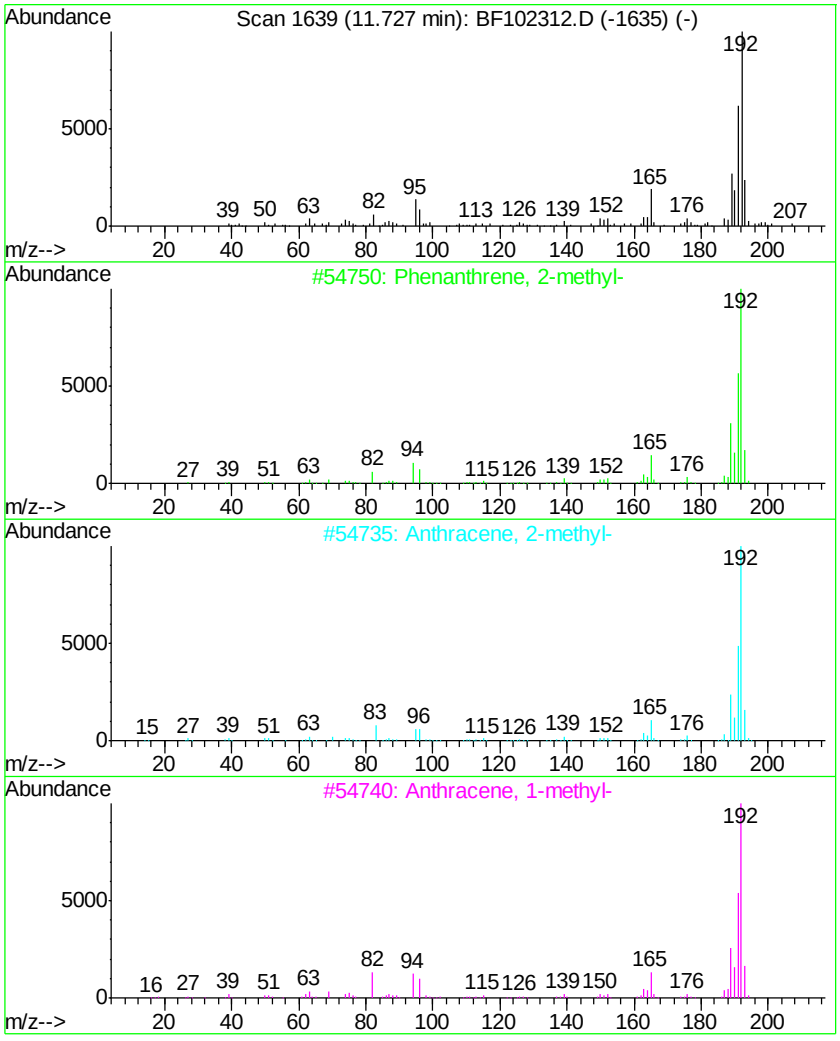
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

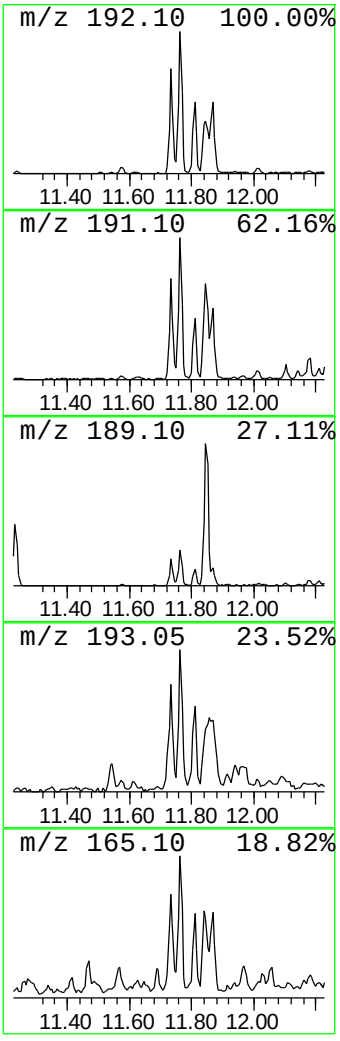
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.02 ng	246346	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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

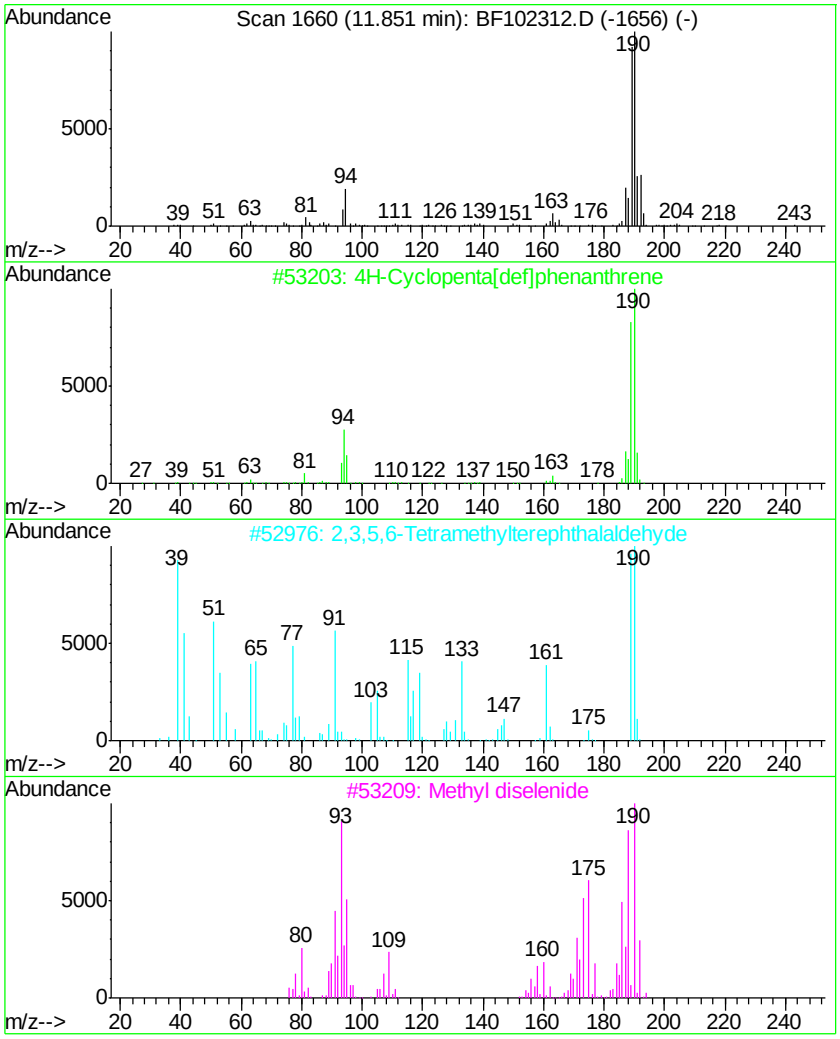
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

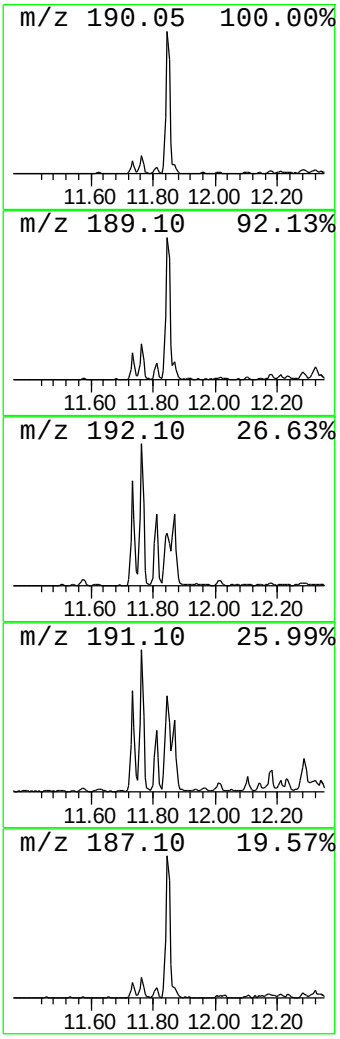
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	14.09 ng	576463	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

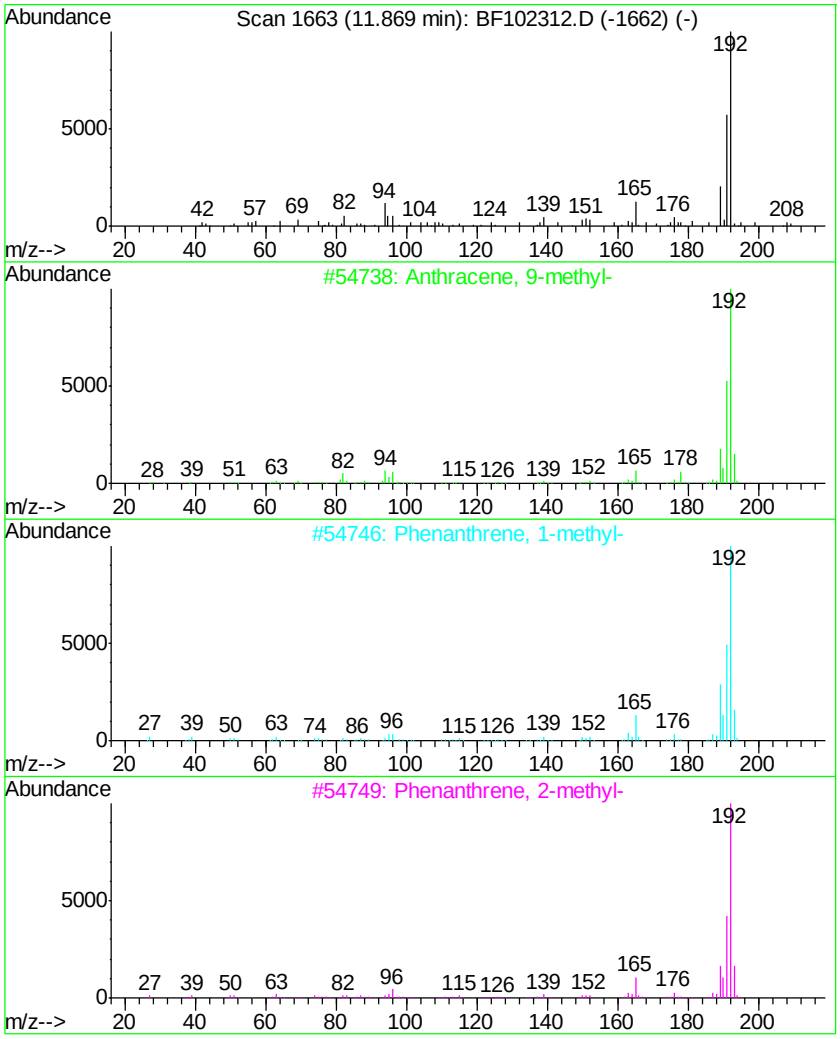
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

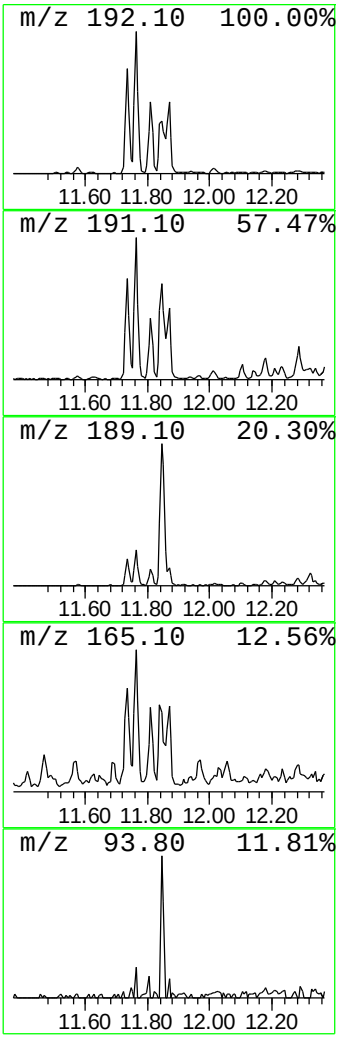
****

Peak Number 12 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.56 ng	104745	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

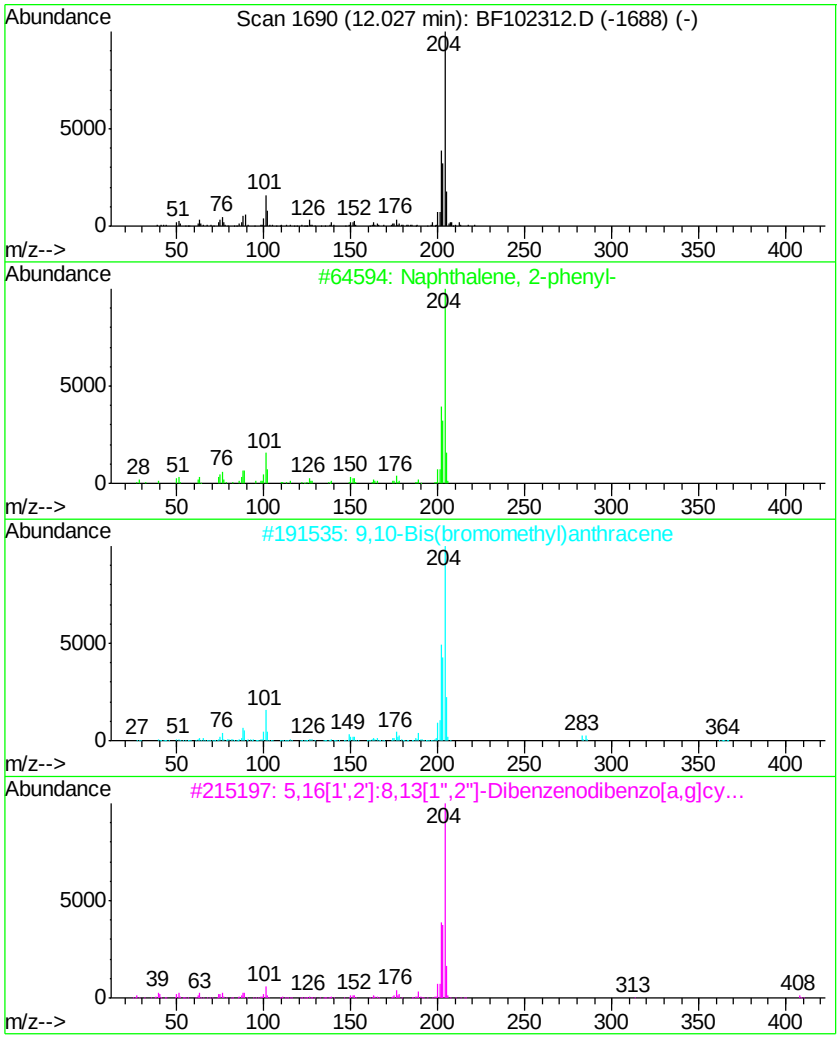
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

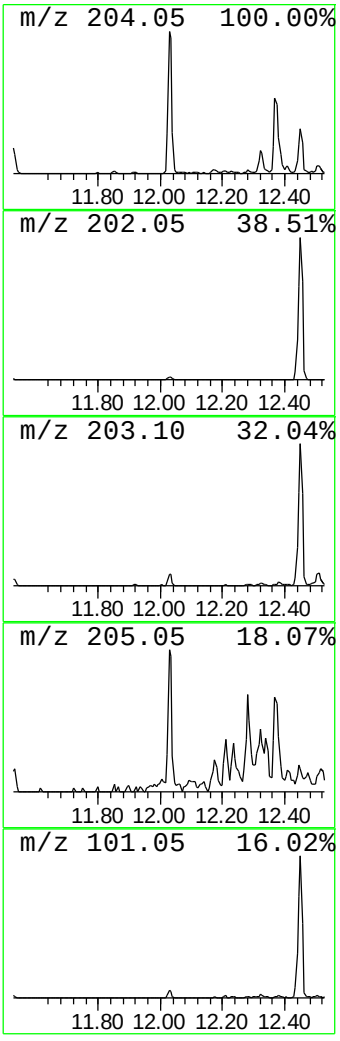
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.88 ng	158561	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

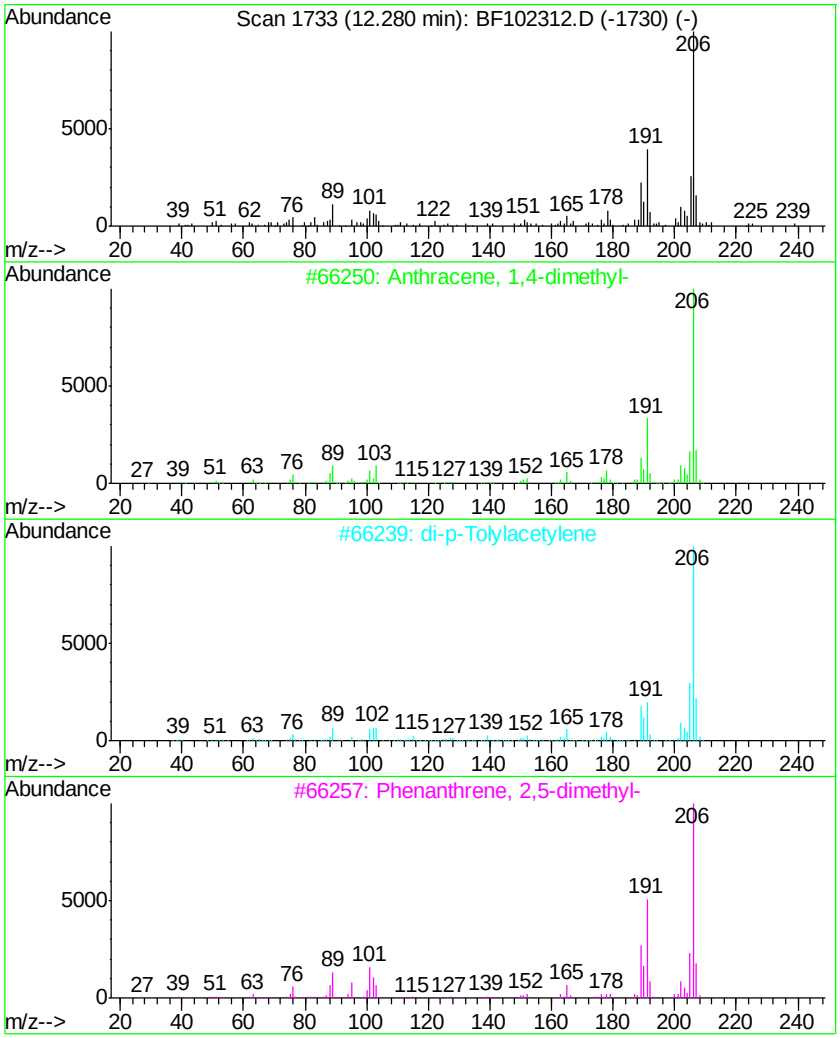
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

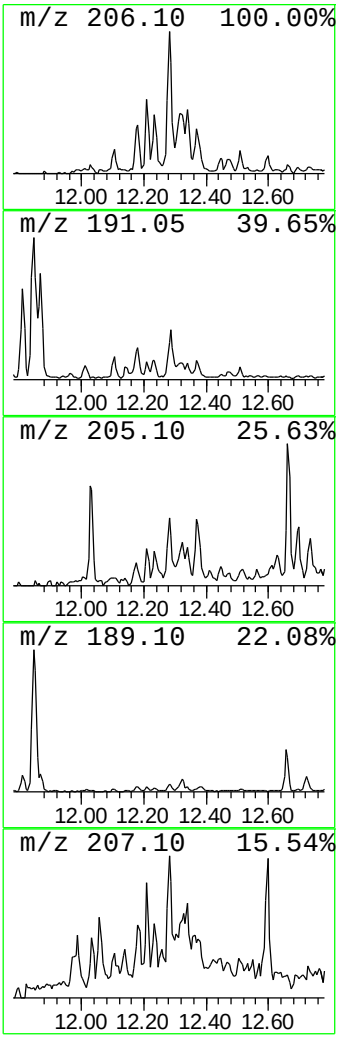
****

Peak Number 14 Anthracene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.48 ng	142226	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

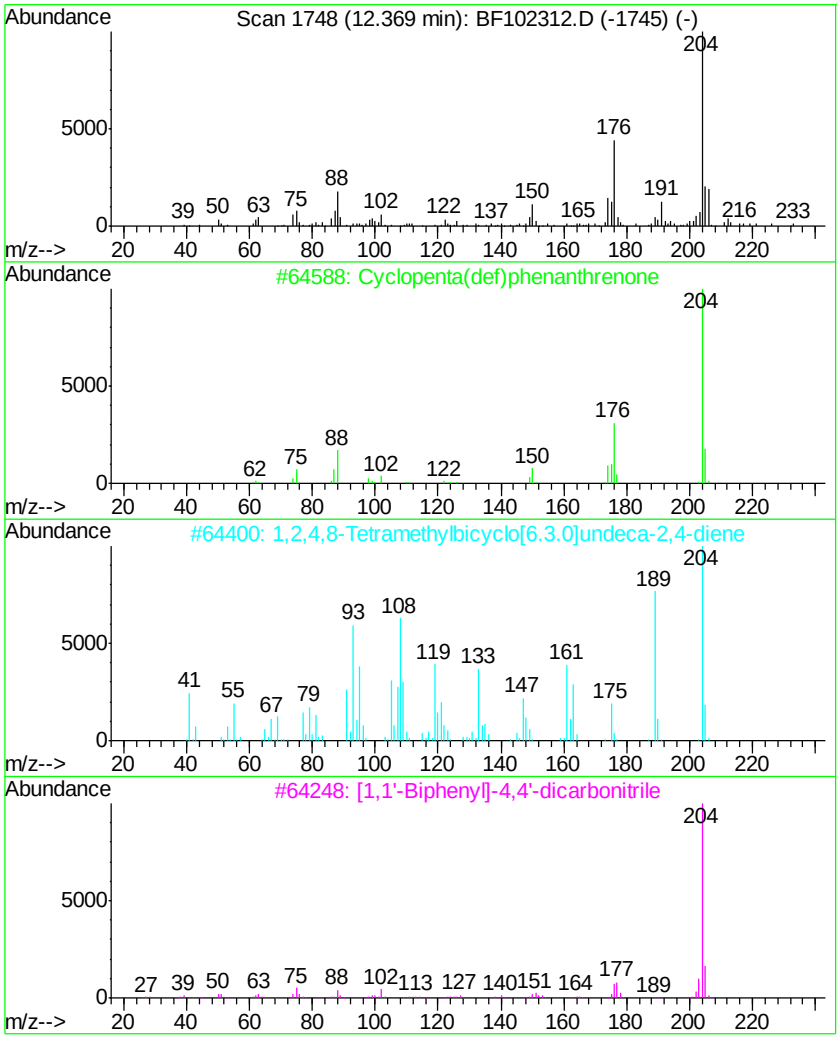
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

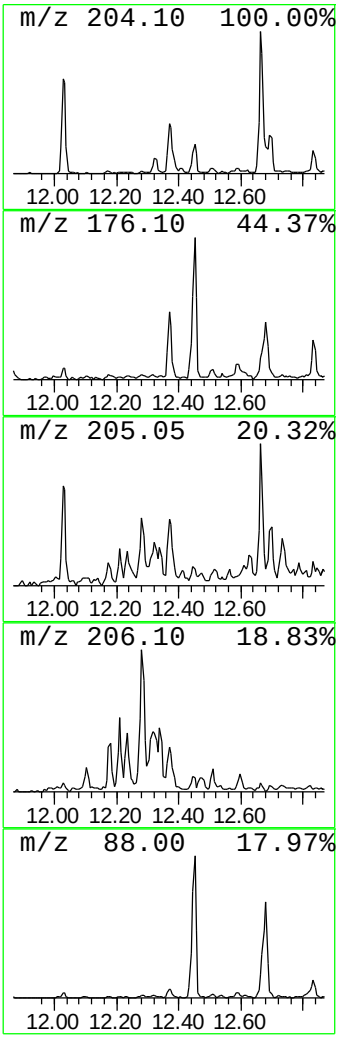
****

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.64 ng	149109	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

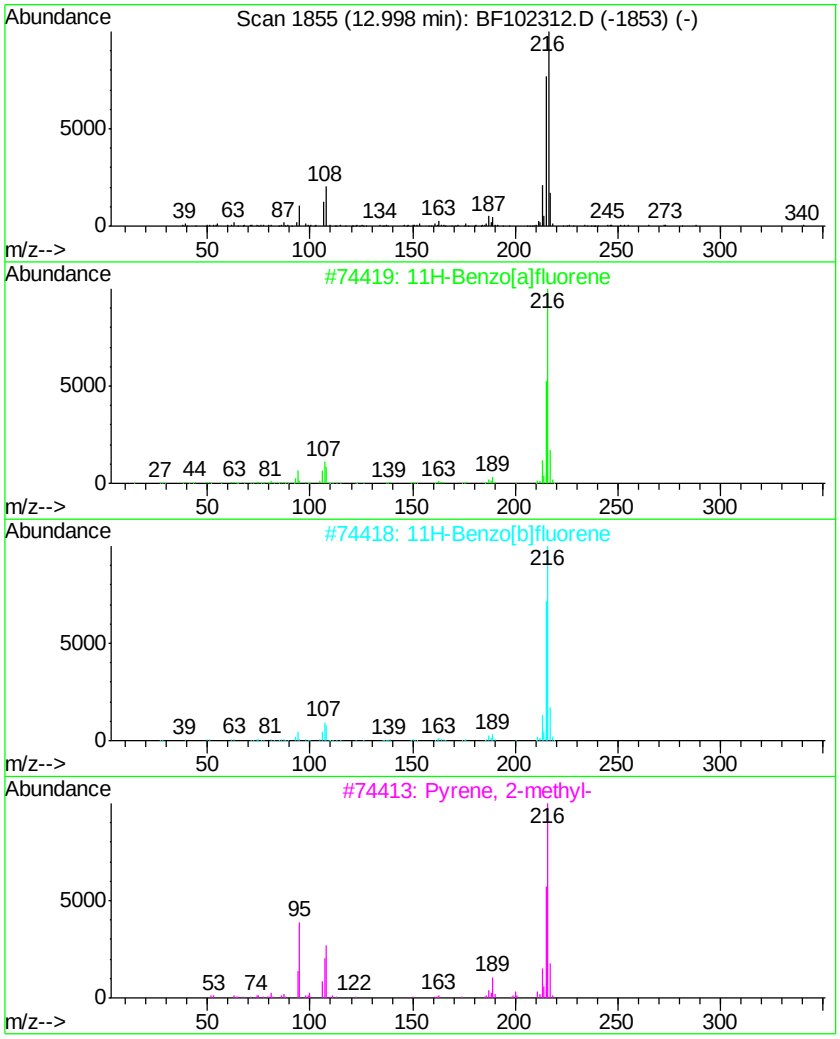
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

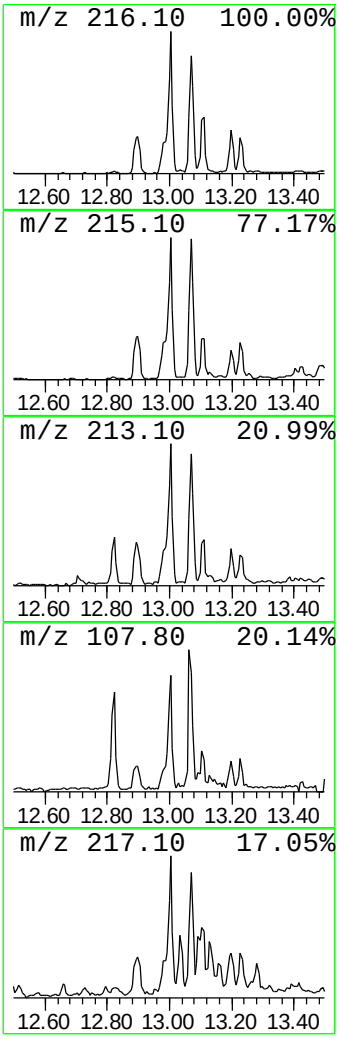
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.23 ng	406087	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

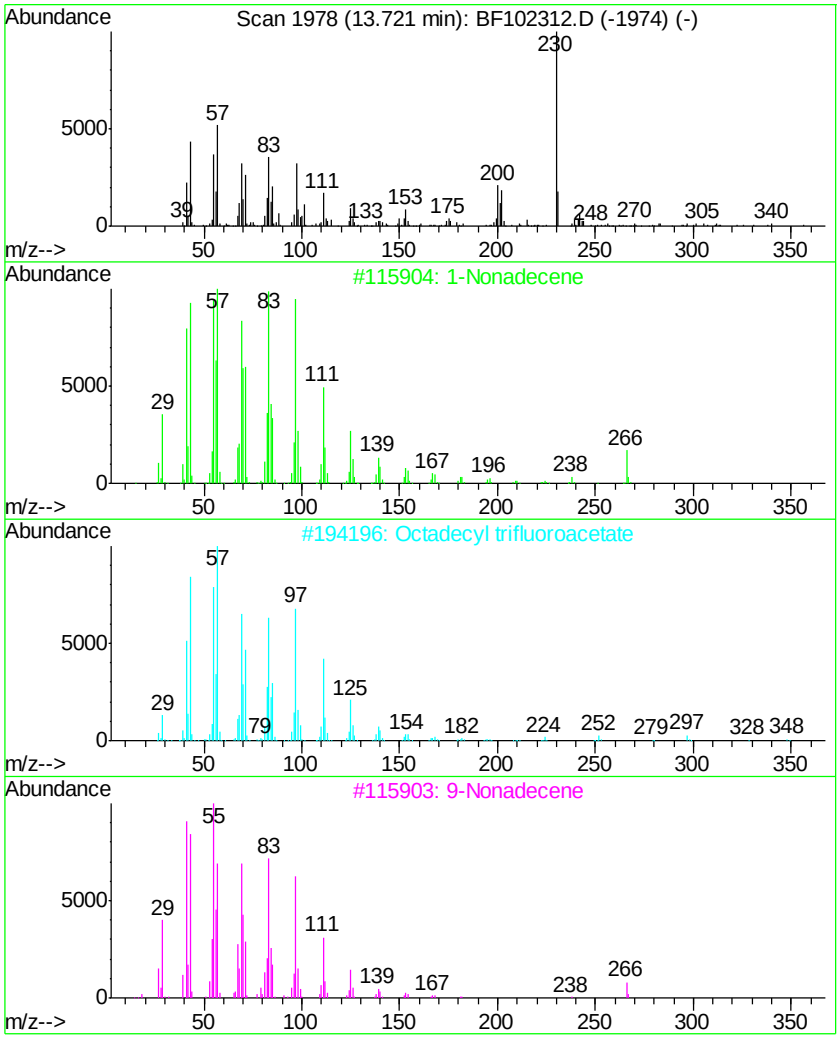
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

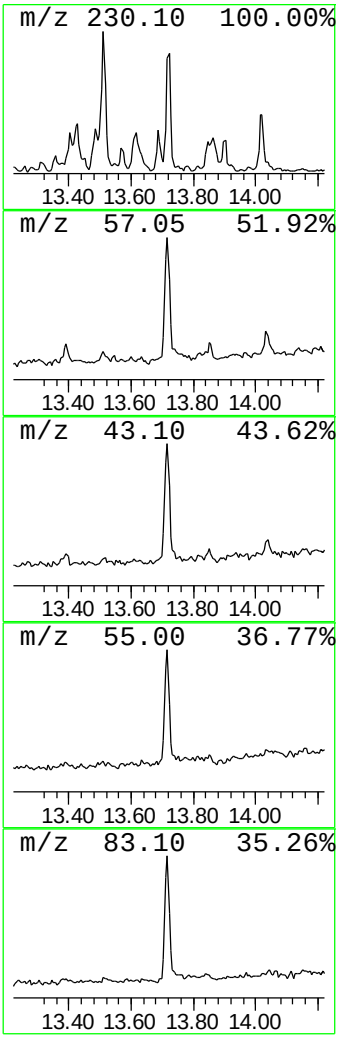
****

Peak Number 18 1-Nonadecene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.24 ng	406466	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	96
2	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	89
3	9-Nonadecene	266	C19H38	031035-07-1	83
4	1-Heneicosanol	312	C21H44O	015594-90-8	83
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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

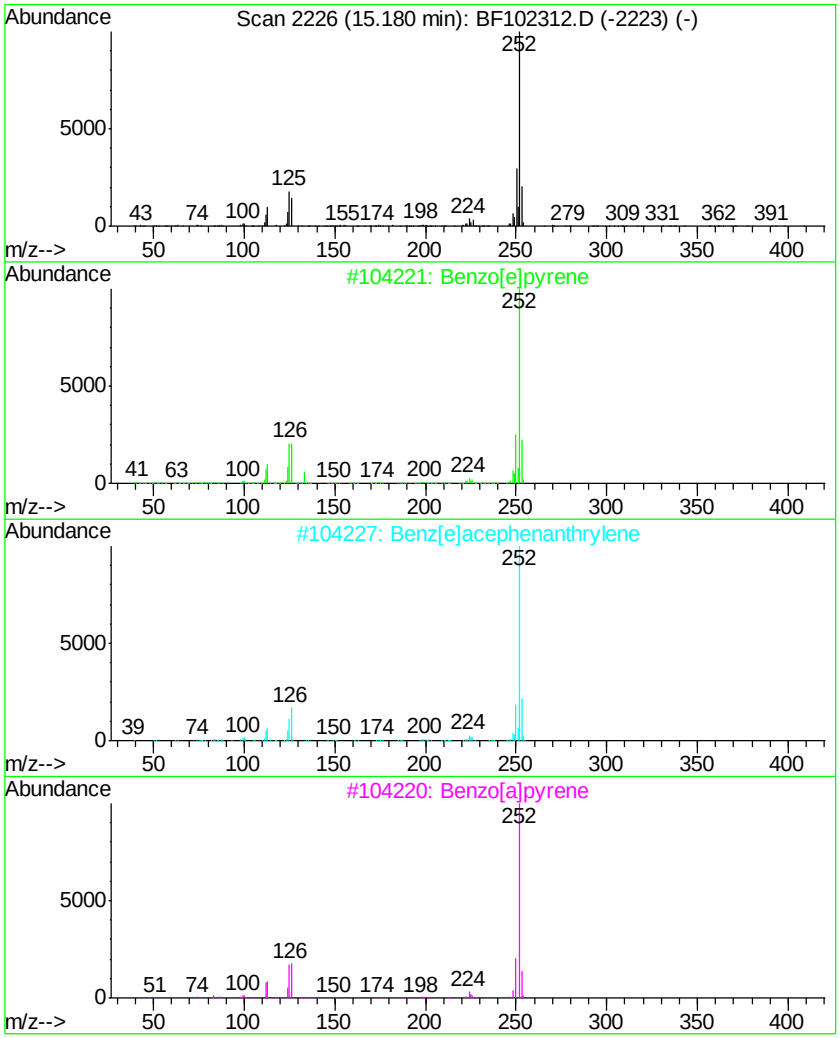
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

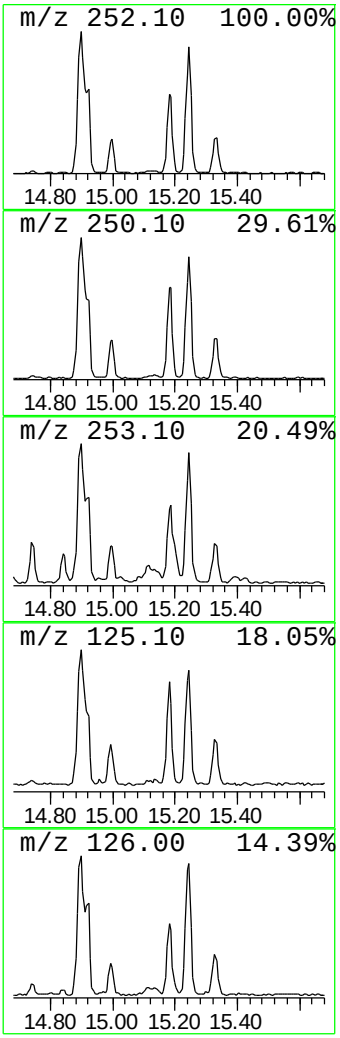
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	19.54 ng	660422	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012218\
Data File : BF102312.D
Acq On : 22 Jan 2018 21:10
Operator : SJ/JU
Sample : J1238-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-07-0-2.0

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	5.6	ng	220643	1	6.72	787583	20.0
unknown6.49	6.49	74.5	ng	2934810	1	6.72	787583	20.0
Tridecane	10.65	3.7	ng	149801	4	11.23	818263	20.0
9H-Fluorene, 1-me...	10.85	2.8	ng	115305	4	11.23	818263	20.0
Tridecane, 7-hexyl-	11.10	2.5	ng	104061	4	11.23	818263	20.0
Naphtho[1,2-b]thi...	11.13	4.6	ng	186440	4	11.23	818263	20.0
Phenanthrene, 2-m...	11.73	6.0	ng	246346	4	11.23	818263	20.0
4H-Cyclopenta[def...	11.85	14.1	ng	576463	4	11.23	818263	20.0
Anthracene, 9-met...	11.87	2.6	ng	104745	4	11.23	818263	20.0
Naphthalene, 2-ph...	12.03	3.9	ng	158561	4	11.23	818263	20.0
Anthracene, 1,4-d...	12.28	3.5	ng	142226	4	11.23	818263	20.0
Cyclopenta(def)ph...	12.37	3.6	ng	149109	4	11.23	818263	20.0
11H-Benzo[a]fluorene	13.00	3.2	ng	406087	5	13.87	2511080	20.0
1-Nonadecene	13.72	3.2	ng	406466	5	13.87	2511080	20.0
Benzo[e]pyrene	15.18	19.5	ng	660422	6	15.30	675906	20.0