LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.022	496	499	508	rBV	34456	42307	1.46%	0.203%
2	5.434	566	569	582	rBV	245366	280702	9.67%	1.348%
3	6.451	739	742	755	rBV	282869	315462	10.87%	1.515%
4	6.587	762	765	772	rBV	365612	337301	11.62%	1.620%
5	6.810	800	803	814	rBB	648074	567163	19.54%	2.724%
6	6.969	826	830	842	rBB	288110	262232	9.03%	1.259%
7	7.381	897	900	907	rBV	176812	191152	6.59%	0.918%
8	8.092	1018	1021	1024	rBV	964526	790887	27.25%	3.798%
9	8.810	1140	1143	1146	rBV	44192	39433	1.36%	0.189%
10	8.904	1155	1159	1163	rBV	70892	65705	2.26%	0.316%
11	9.163	1200	1203	1207	rBV	543962	427373	14.72%	2.052%
12	9.434	1245	1249	1253	rBV2	47756	62645	2.16%	0.301%
13	9.504	1258	1261	1264	rBV	94822	93491	3.22%	0.449%
14	9.534	1264	1266	1269	rVB	45427	34479	1.19%	0.166%
15	9.622	1278	1281	1287	rBV	56758	64579	2.22%	0.310%
16	9.710	1292	1296	1300	rBV	99349	86791	2.99%	0.417%
17	9.769	1303	1306	1310	rVB	38477	31012	1.07%	0.149%
18	9.845	1313	1319	1323	rBV	966626	904380	31.16%	4.343%
19	9.881	1323	1325	1328	rVB	76723	60507	2.08%	0.291%
20	9.951	1333	1337	1341	rBV4	21139	32589	1.12%	0.156%
21	10.051	1350	1354	1358	rVB3	62763	73783	2.54%	0.354%
22	10.086	1358	1360	1364	rVB	66659	57157	1.97%	0.274%
23	10.163	1369	1373	1376	rBV	64365	73611	2.54%	0.353%
24	10.269	1384	1391	1394	rBV4	73593	112840	3.89%	0.542%
25	10.398	1409	1413	1419	rVB	152256	165789	5.71%	0.796%
26	10.463	1419	1424	1425	rBV3	27069	38707	1.33%	0.186%
27	10.557	1434	1440	1443	rVV2	40385	51771	1.78%	0.249%
28	10.639	1450	1454	1457	rBV	226991	224395	7.73%	1.078%
29	10.739	1467	1471	1472	rBV	65444	57492	1.98%	0.276%
30	10.757	1472	1474	1476	rVB2	37278	32275	1.11%	0.155%
31	10.945	1501	1506	1508	rBV2	75589	109268	3.76%	0.525%
32	10.969	1508	1510	1513	rVB	66545	56946	1.96%	0.273%
33	11.028	1517	1520	1522	rVB	58037	50554	1.74%	0.243%
34	11.069	1522	1527	1530	rBV5	25270	46858	1.61%	0.225%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.186	1544	1547	1549	rBV	75588	67348	2.32%	0.323%
36	11.233	1553	1555	1560	rVB	79942	65635	2.26%	0.315%
37	11.333	1569	1572	1574	rBV	932038	822309	28.33%	3.949%
38	11.357	1574	1576	1580	rVV	693332	616383	21.24%	2.960%
39	11.410	1583	1585	1588	rVV	135206	125472	4.32%	0.603%
40	11.445	1588	1591	1594	rVV2	40641	62641	2.16%	0.301%
41	11.492	1597	1599	1604	rVB3	27446	40406	1.39%	0.194%
42	11.575	1609	1613	1617	rBV2	61754	81024	2.79%	0.389%
43	11.610	1617	1619	1623	rVV2	64979	75152	2.59%	0.361%
44	11.669	1626	1629	1633	rVV	48457	58491	2.02%	0.281%
45	11.716	1633	1637	1640	rVV	919893	709064	24.43%	3.405%
46	11.751	1640	1643	1646	rVV	29764	31520	1.09%	0.151%
47	11.833	1654	1657	1660	rBV	208534	233465	8.04%	1.121%
48	11.863	1660	1662	1667	rVB	269504	256704	8.84%	1.233%
49	11.916	1667	1671	1673	rBV	79469	82367	2.84%	0.396%
50	11.945	1673	1676	1679	rVV2	283478	326183	11.24%	1.566%
51	11.969	1679	1680	1686	rVB	167491	134673	4.64%	0.647%
52	12.016	1686	1688	1691	rBV2	59806	58276	2.01%	0.280%
53	12.127	1704	1707	1712	rBV	86278	82443	2.84%	0.396%
54	12.169	1712	1714	1718	rVB2	33642	35821	1.23%	0.172%
55	12.310	1735	1738	1740	rBV	67446	49081	1.69%	0.236%
56	12.339	1740	1743	1745	rVB2	54414	50656	1.75%	0.243%
57	12.404	1745	1754	1756	rBV2	2627231	2902427	100.00%	13.938%
58	12.427	1756	1758	1763	rVB2	2056013	1827721	62.97%	8.777%
59	12.480	1763	1767	1768	rBV2	55534	78129	2.69%	0.375%
60	12.504	1768	1771	1775	rVB	502017	419261	14.45%	2.013%
61	12.551	1775	1779	1784	rBV	689866	637813	21.98%	3.063%
62	12.645	1792	1795	1799	rVB2	49920	53795	1.85%	0.258%
63	12.704	1801	1805	1807	rBV	49082	45201	1.56%	0.217%
64	12.780	1813	1818	1824	rVB	688570	698293	24.06%	3.353%
65	12.833	1824	1827	1830	rVB	69611	60871	2.10%	0.292%
66	12.886	1830	1836	1837	rBV5	36203	49359	1.70%	0.237%
67	12.916	1837	1841	1843	rVV	365476	345489	11.90%	1.659%
68	12.933	1843	1844	1849	rVB3	30300	31488	1.08%	0.151%
69	12.998	1851	1855	1861	rBV3	69810	128700	4.43%	0.618%
70	13.110	1867	1874	1876	rBV	129191	172135	5.93%	0.827%
71	13.174	1883	1885	1888	rVB	116229	90938	3.13%	0.437%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.216	1888	1892	1899	rVB3	107109	147836	5.09%	0.710%
73	13.304	1904	1907	1910	rVV	92826	79892	2.75%	0.384%
74	13.339	1910	1913	1920	rVB	97561	116531	4.01%	0.560%
75	13.474	1932	1936	1939	rBV4	27901	41721	1.44%	0.200%
76	13.510	1939	1942	1944	rBV	26606	31345	1.08%	0.151%
77	13.592	1953	1956	1959	rBV3	31369	41771	1.44%	0.201%
78	13.716	1974	1977	1978	rBV	29182	33715	1.16%	0.162%
79	13.733	1978	1980	1982	rVV2	50840	53081	1.83%	0.255%
80	13.751	1982	1983	1986	rVB	48041	32280	1.11%	0.155%
81	13.798	1986	1991	1994	rBV3	60826	89313	3.08%	0.429%
82	13.898	2004	2008	2011	rBV2	51475	65818	2.27%	0.316%
83	13.974	2017	2021	2024	rBV2	621329	754351	25.99%	3.622%
84	14.004	2024	2026	2033	rVB	216986	206027	7.10%	0.989%
85	14.139	2047	2049	2052	rVB3	30736	32954	1.14%	0.158%
86	14.363	2085	2087	2091	rVB	66822	58913	2.03%	0.283%
87	14.398	2091	2093	2095	rBV2	41603	33196	1.14%	0.159%
88	14.516	2110	2113	2115	rVB2	40156	40859	1.41%	0.196%
89	15.016	2195	2198	2201	rBV	116230	154725	5.33%	0.743%
90	15.045	2201	2203	2210	rVV4	96257	113506	3.91%	0.545%
91	15.127	2214	2217	2221	rVB	36360	42313	1.46%	0.203%
92	15.315	2246	2249	2253	rVB	88594	97247	3.35%	0.467%
93	15.380	2256	2260	2264	rBV	125775	157229	5.42%	0.755%
94	15.439	2266	2270	2274	rVB	398540	459789	15.84%	2.208%
95	15.539	2285	2287	2295	rVB8	30294	40946	1.41%	0.197%
96	16.092	2377	2381	2388	rVB8	35589	66156	2.28%	0.318%
97	16.910	2515	2520	2529	rVB	74340	146737	5.06%	0.705%
98	17.080	2545	2549	2554	rVB6	30808	46553	1.60%	0.224%
99	17.357	2590	2596	2602	rBV	49806	103946	3.58%	0.499%
100	17.592	2630	2636	2645	rVB10	25316	87135	3.00%	0.418%

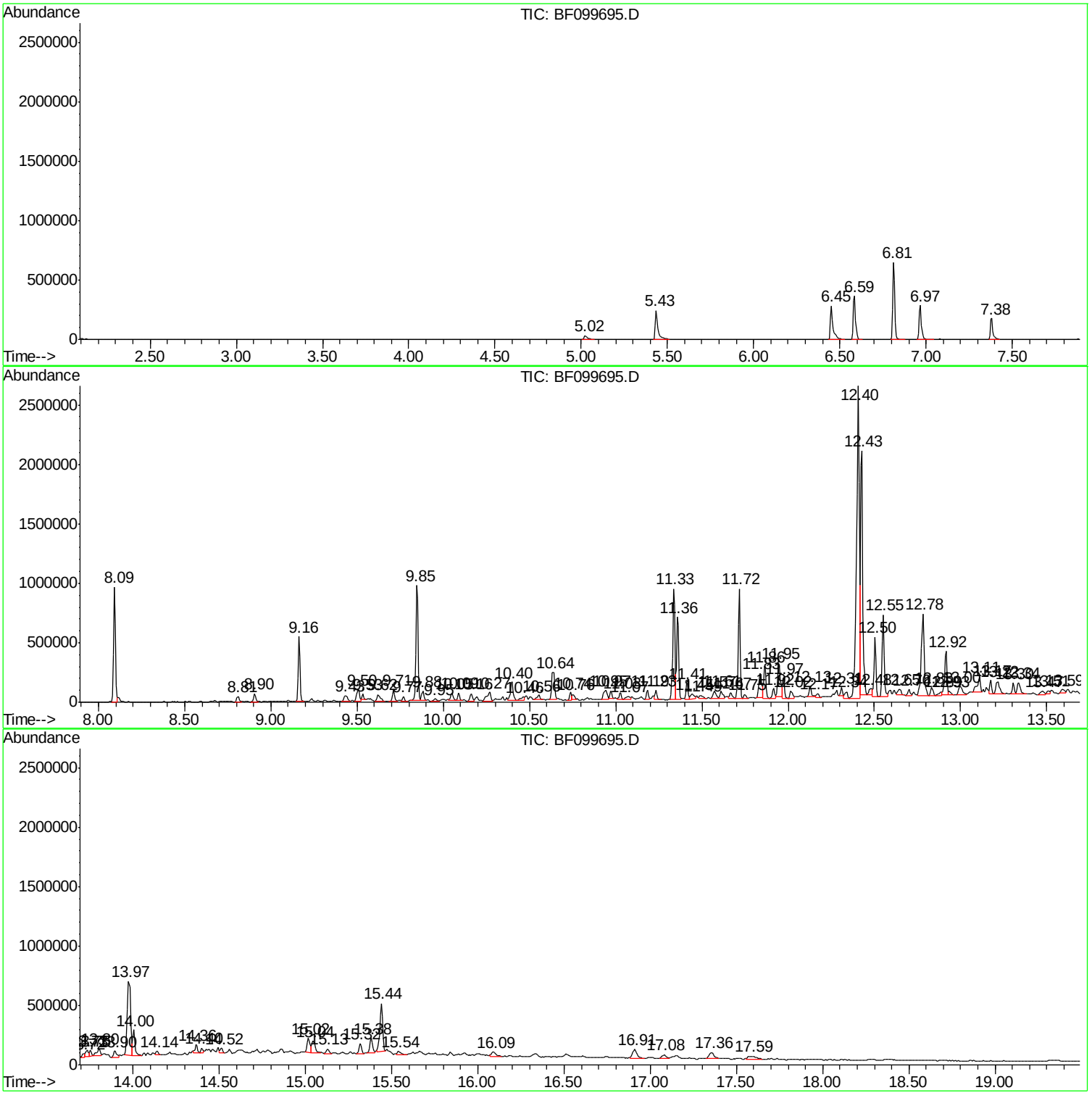
Sum of corrected areas: 20824255

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

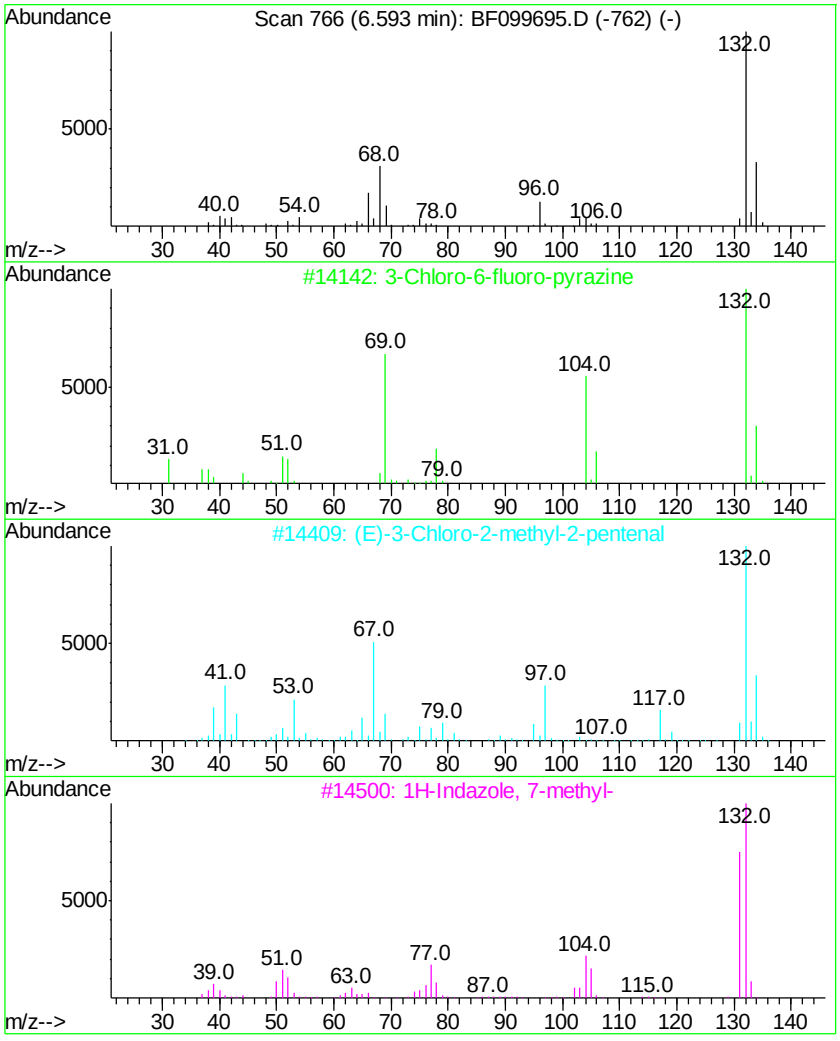
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

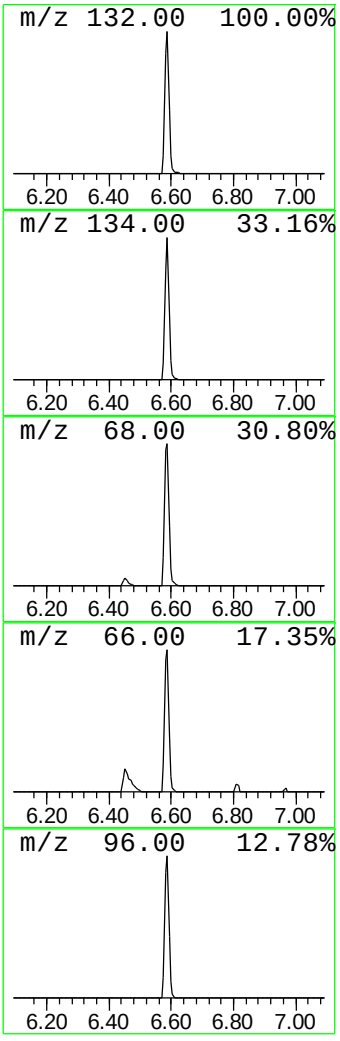
****

Peak Number 1 unknown6.59 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	11.89 ng	337301	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

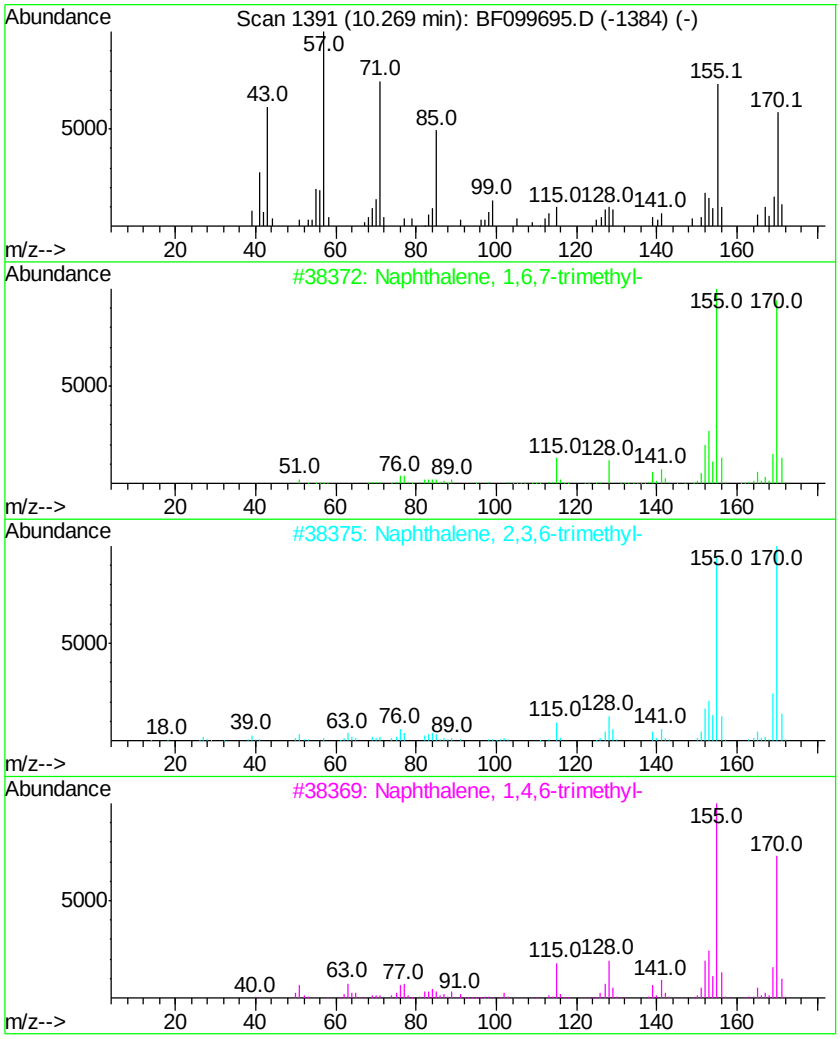
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

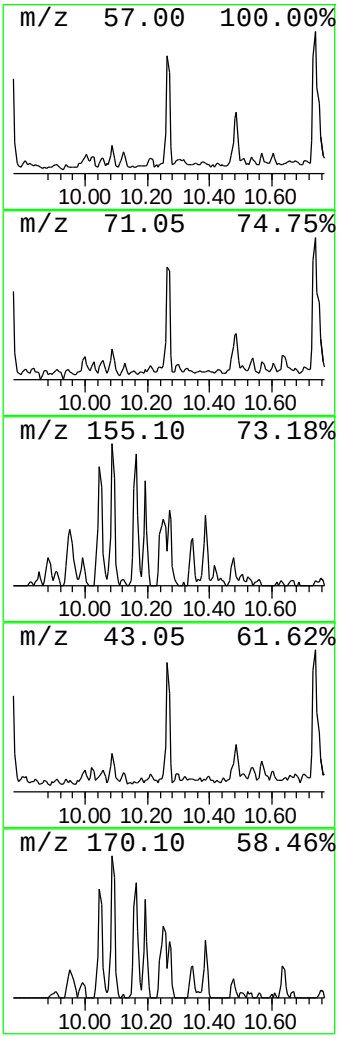
****

Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.50 ng	112840	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	86
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

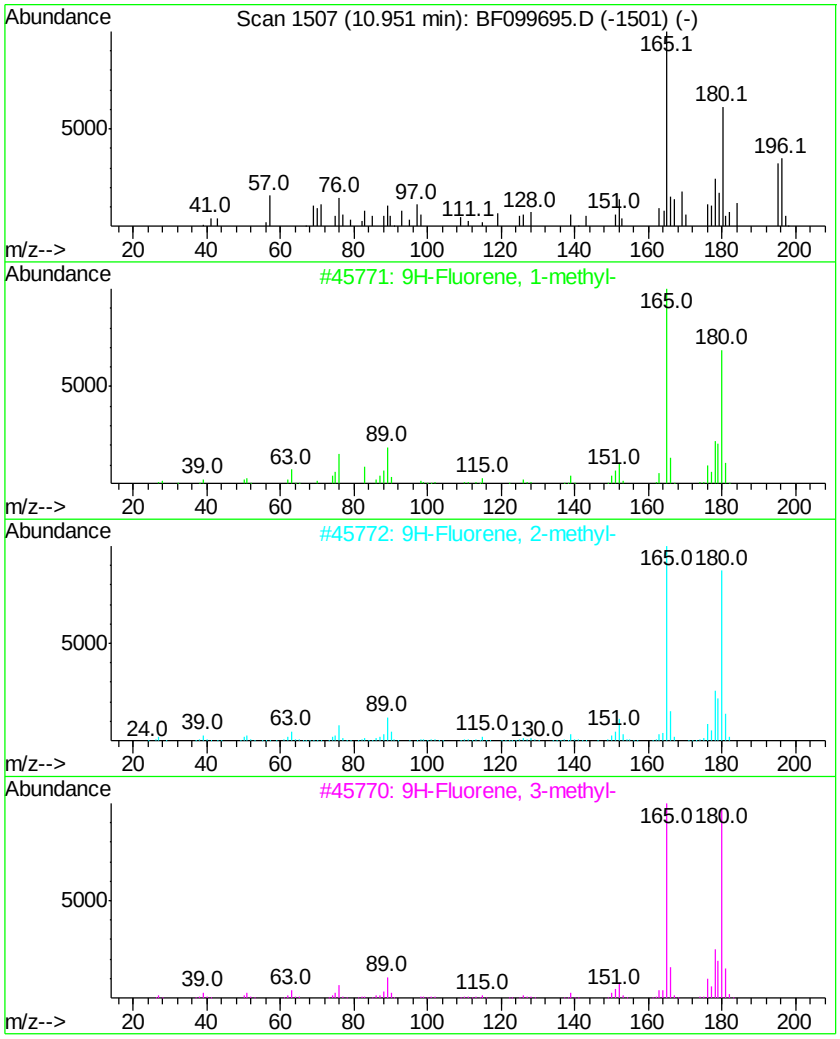
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

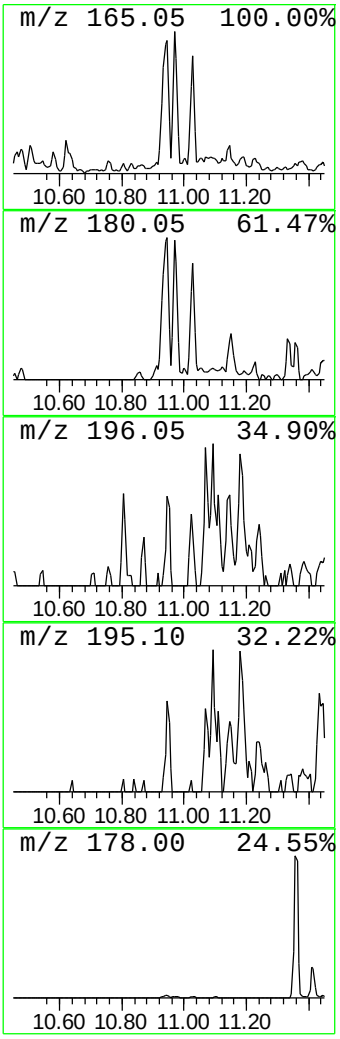
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.66 ng	109268	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	(E)-Stilbene	180	C14H12	000103-30-0	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

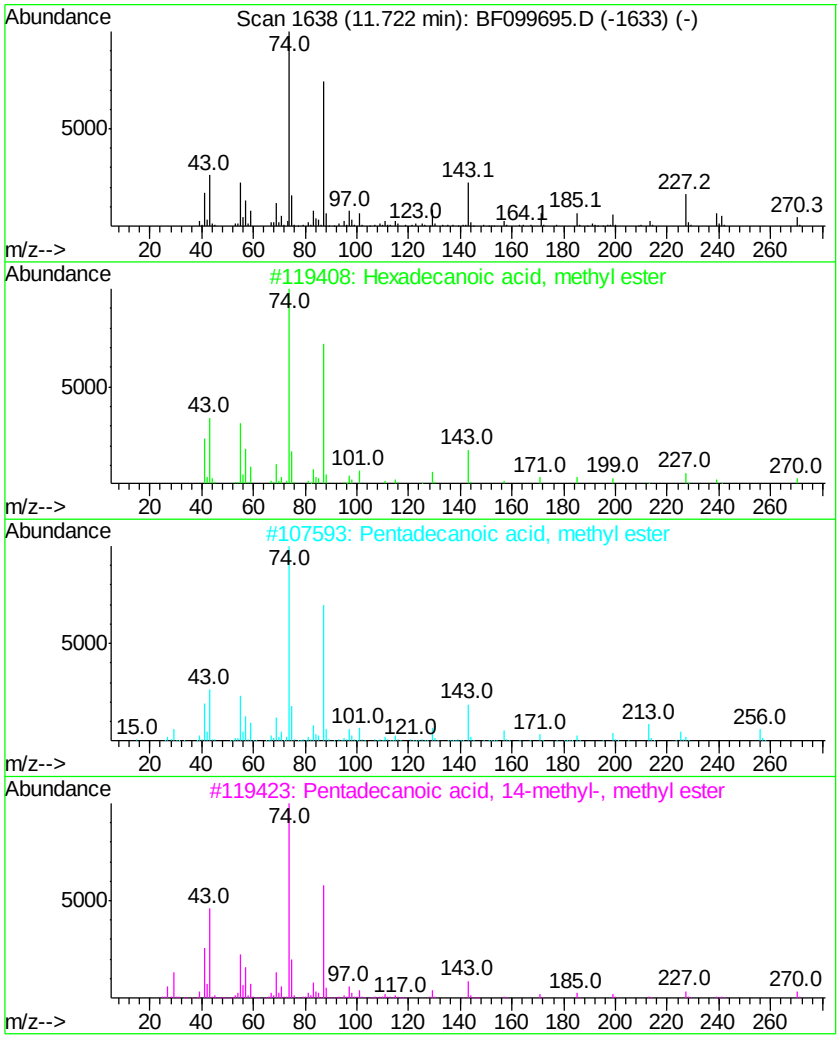
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

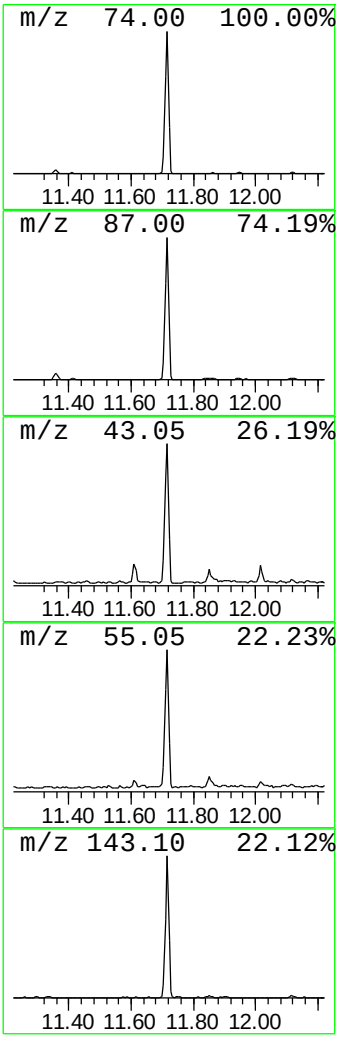
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	17.25 ng	709064	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	81
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

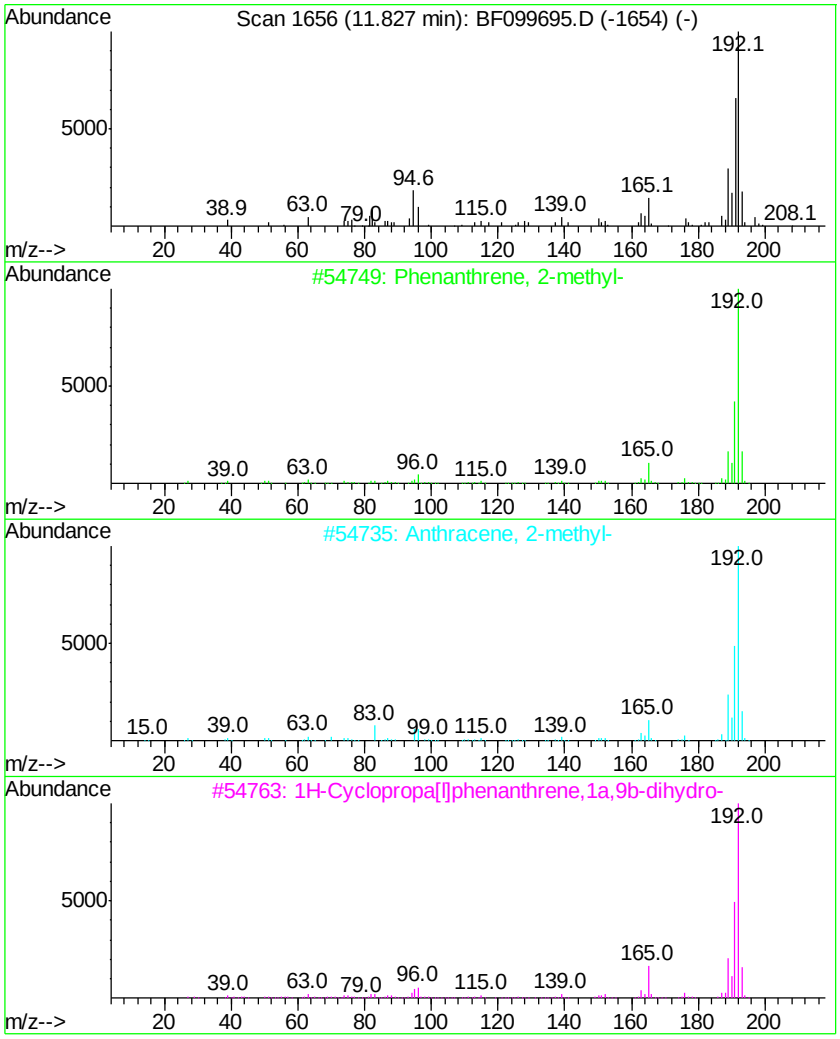
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

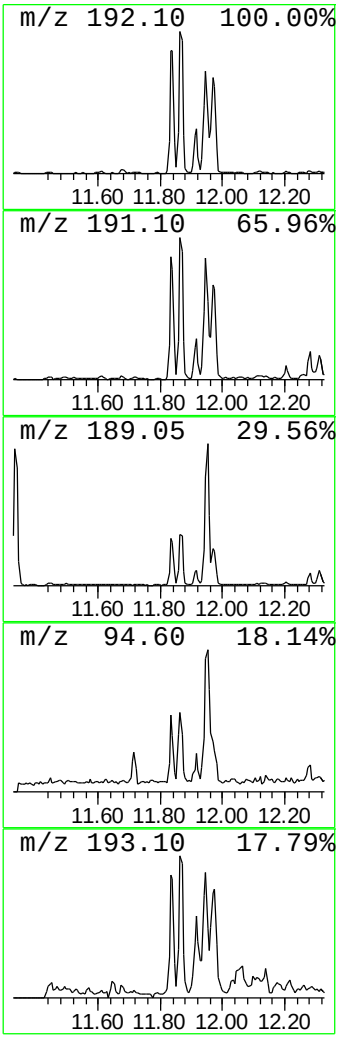
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.68 ng	233465	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

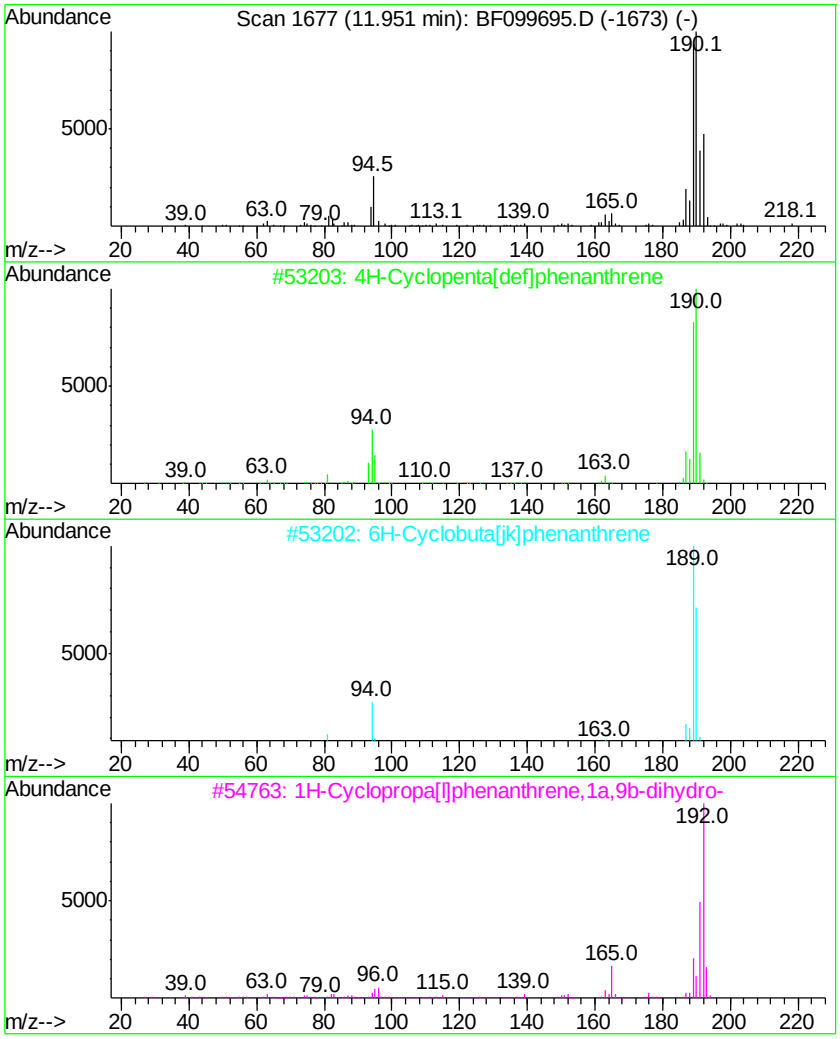
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

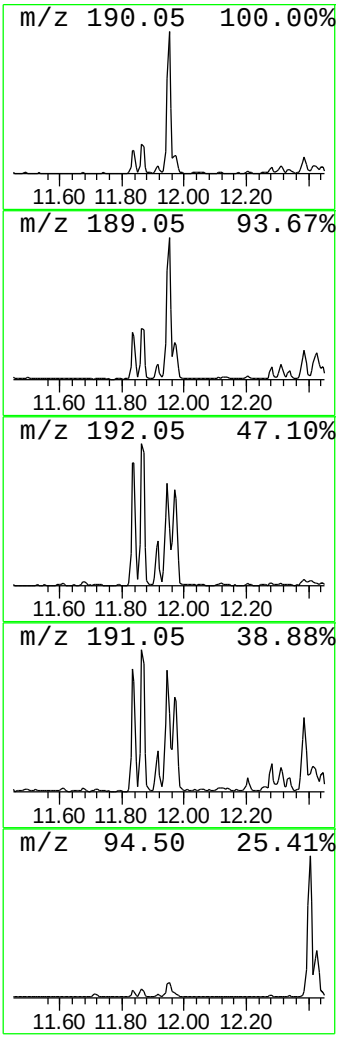
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.93 ng	326183	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

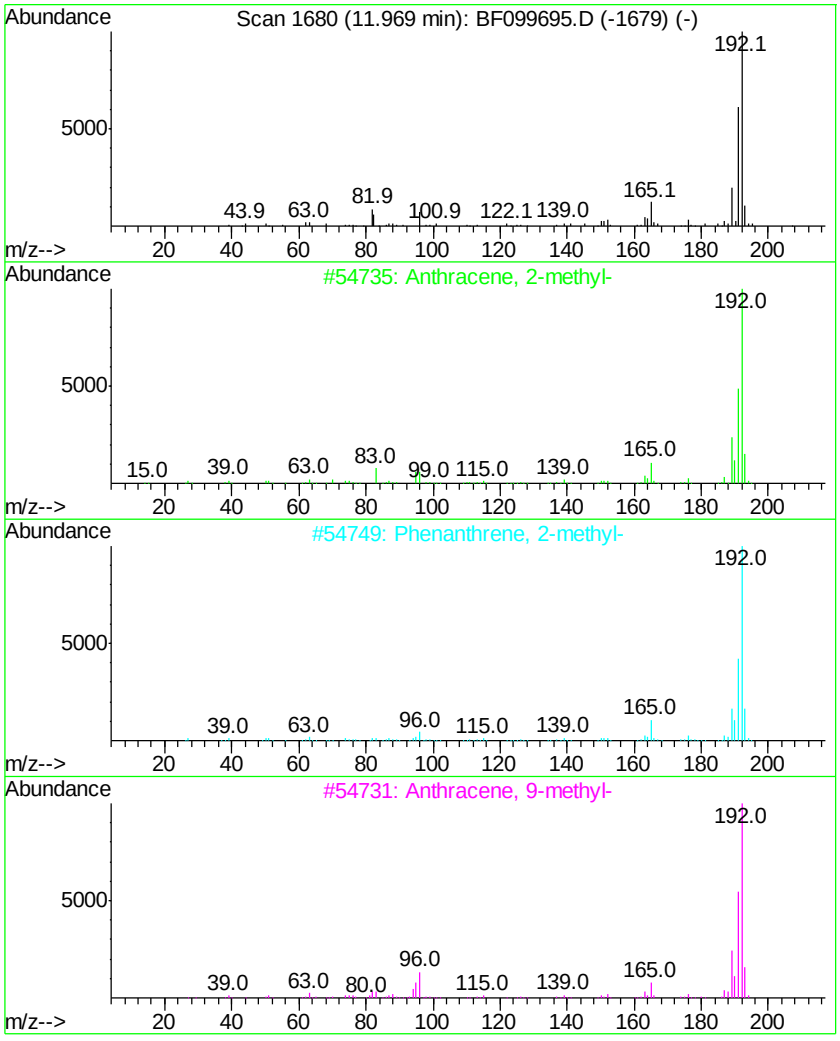
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

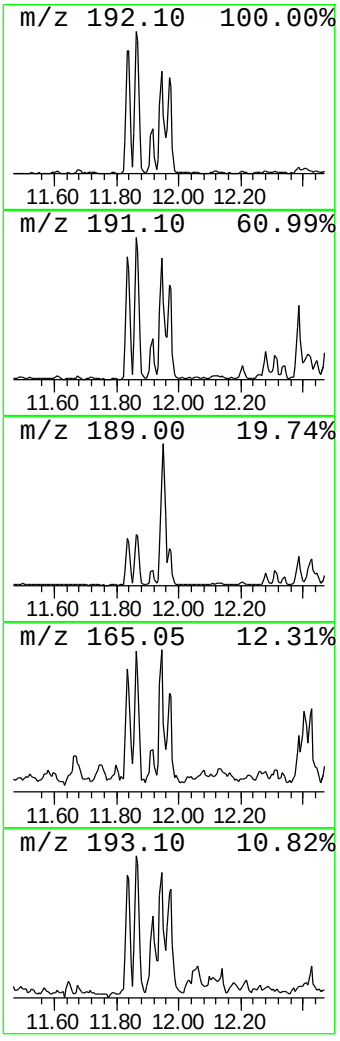
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.28 ng	134673	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

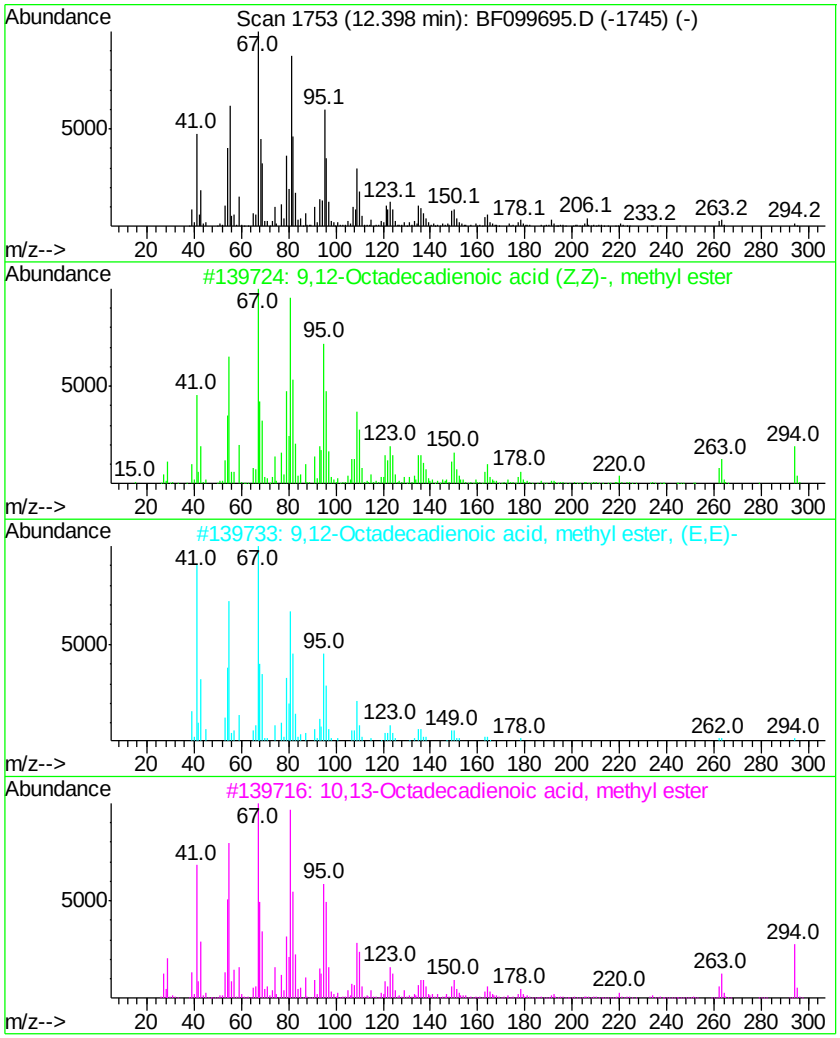
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

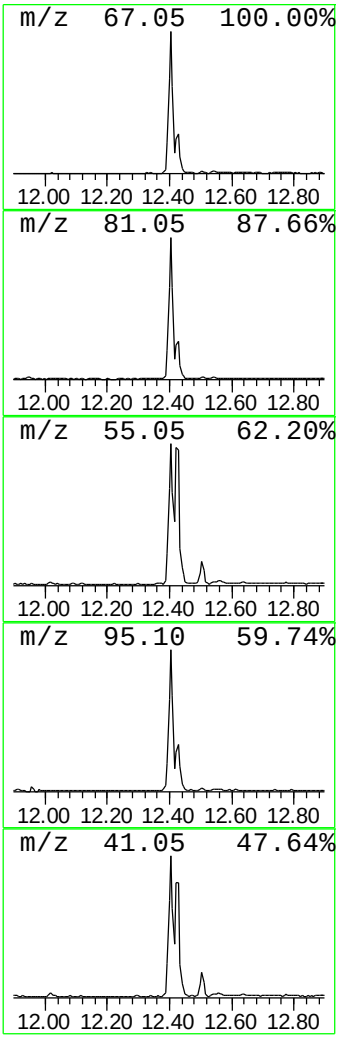
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9,12-Octadecadienoic acid (... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	70.59 ng	2902430	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

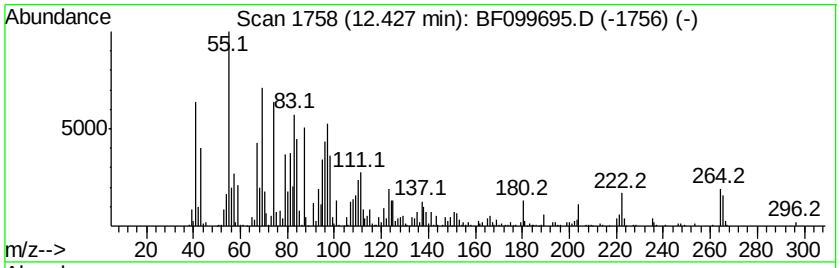
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

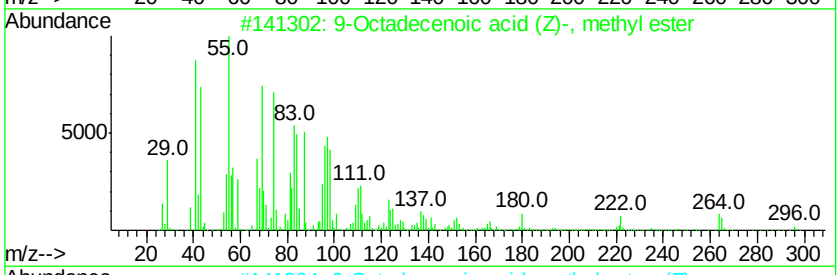
****

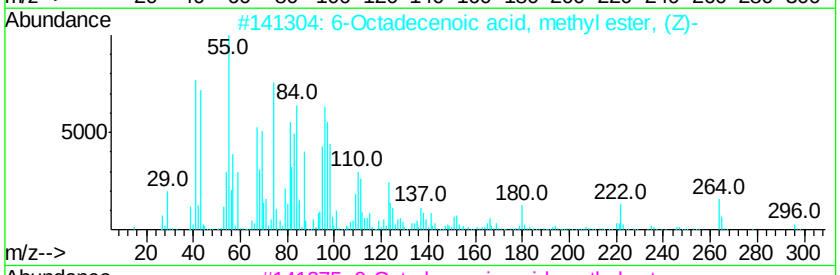
Peak Number 11 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

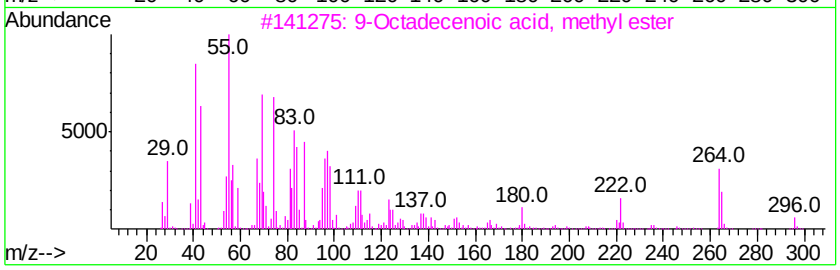
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	44.45 ng	1827720	Phenanthrene-d10	11.33

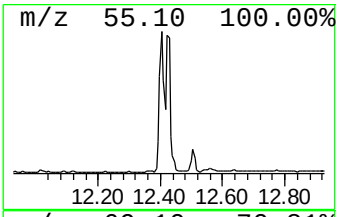
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99

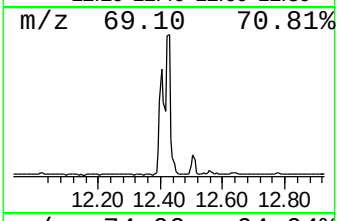


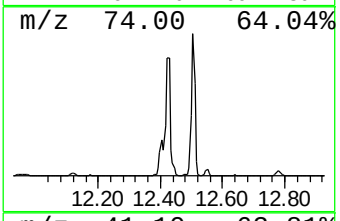


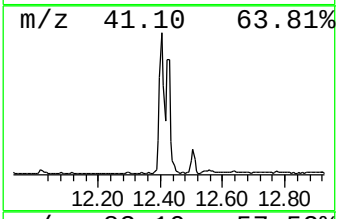


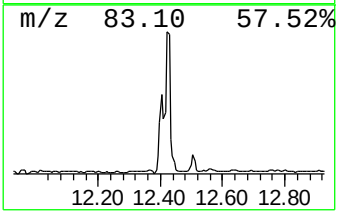












Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

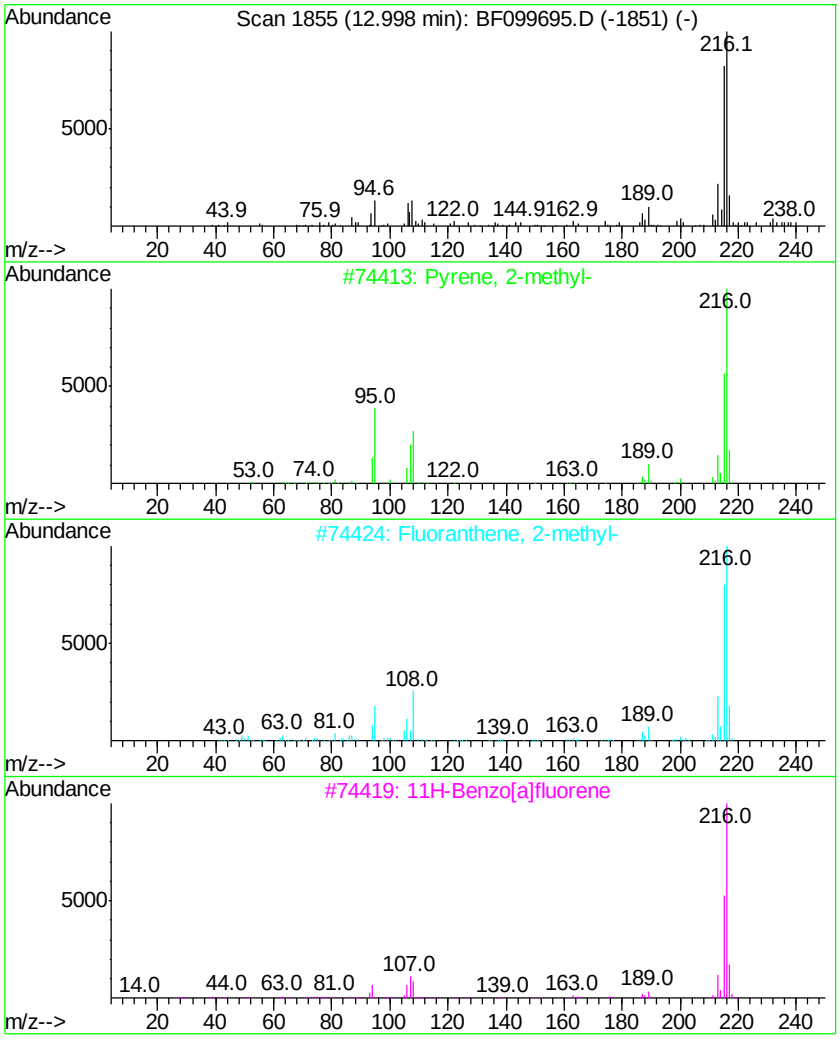
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

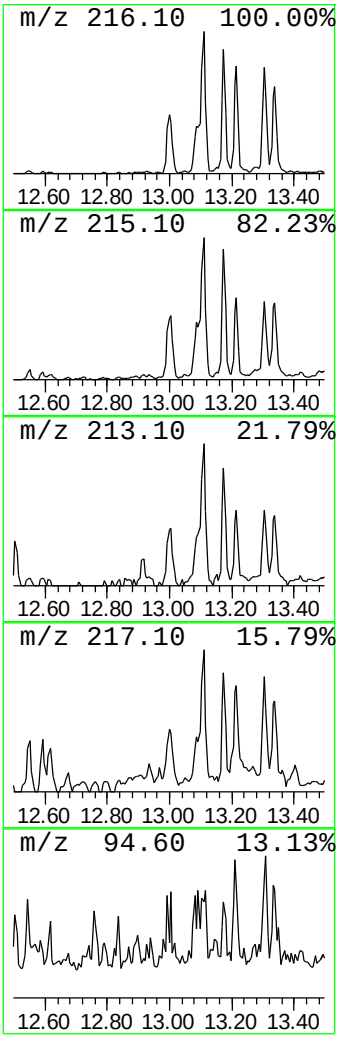
****

Peak Number 12 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.41 ng	128700	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

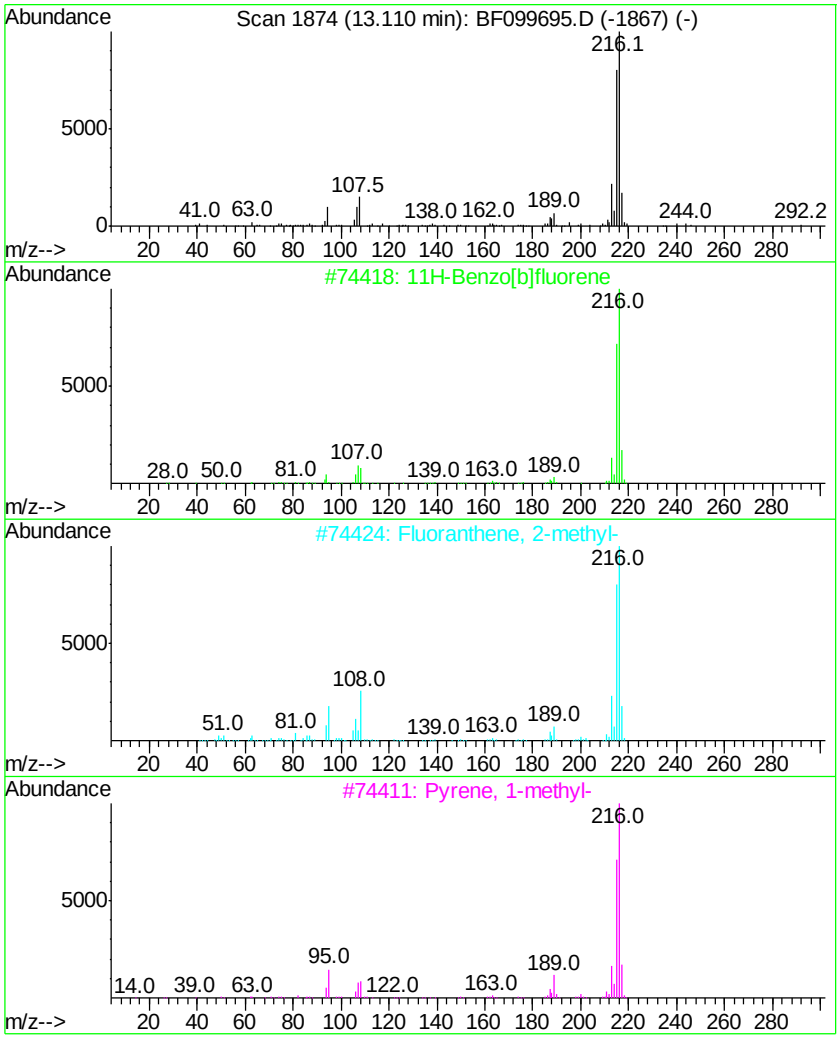
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

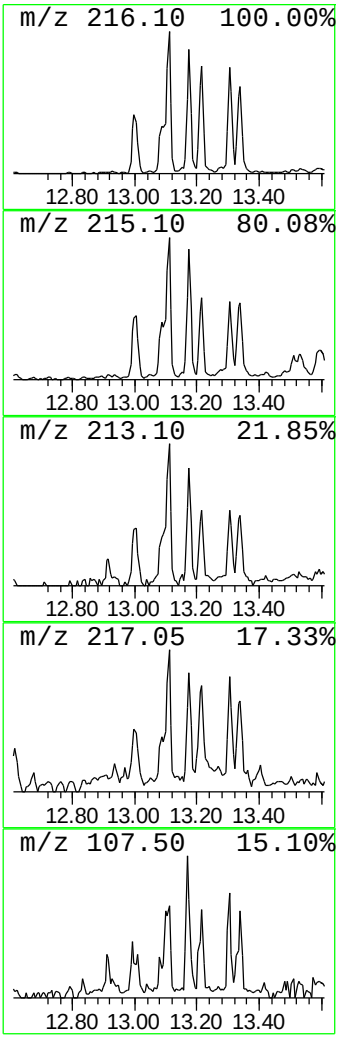
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.56 ng	172135	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

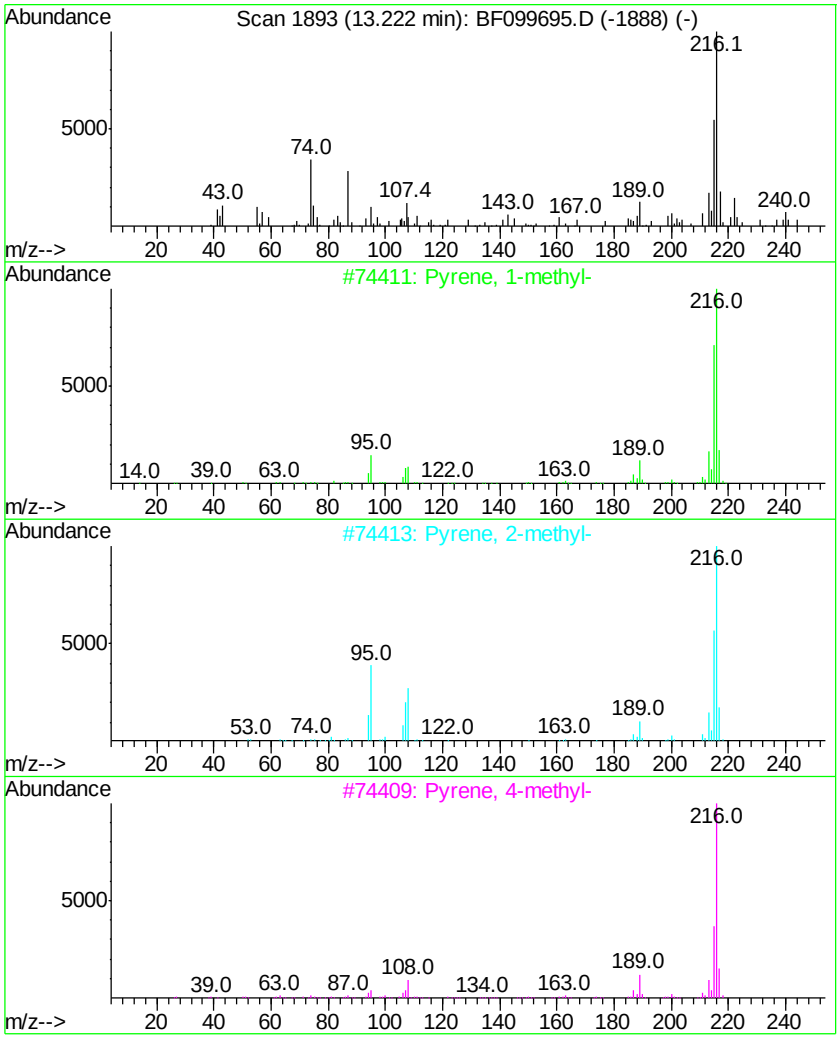
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

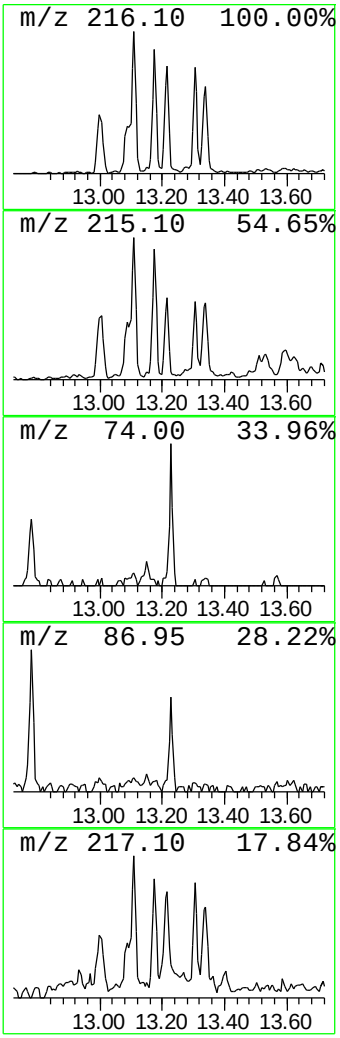
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.92 ng	147836	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

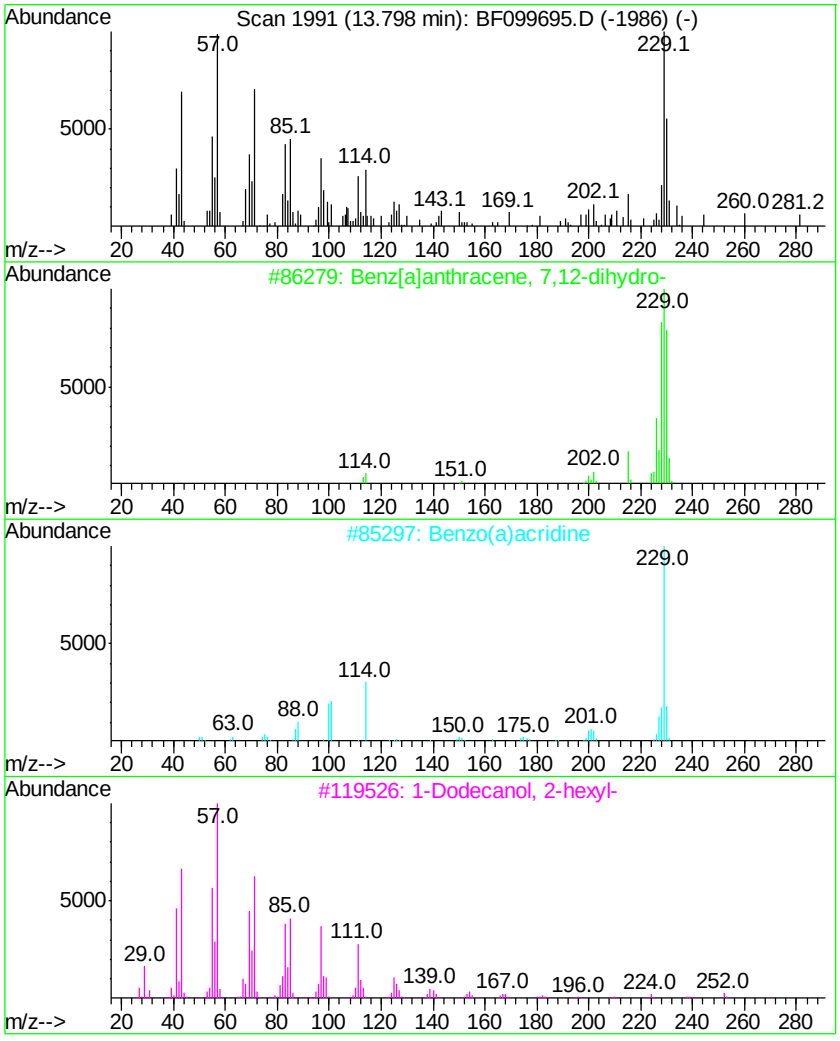
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

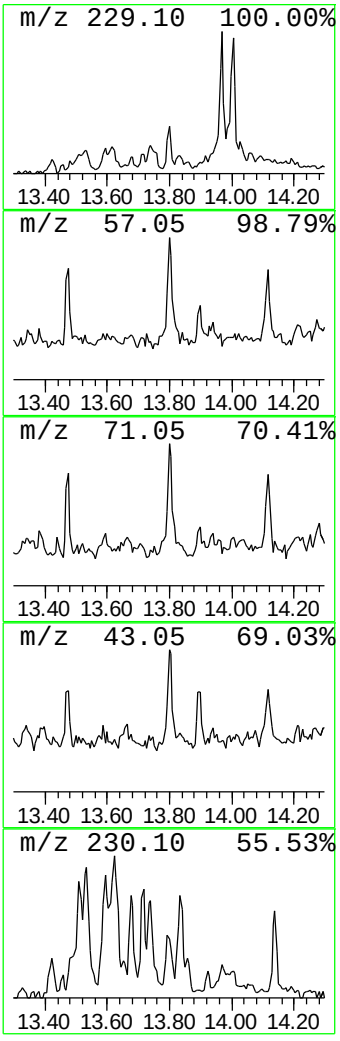
****

Peak Number 17 Benz[a]anthracene, 7,12-dih... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	2.37 ng	89313	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dihydro-	230	C18H14	016434-59-6	62
2	Benzo(a)acridine	229	C17H11N	000225-11-6	38
3	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	35
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	35
5	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

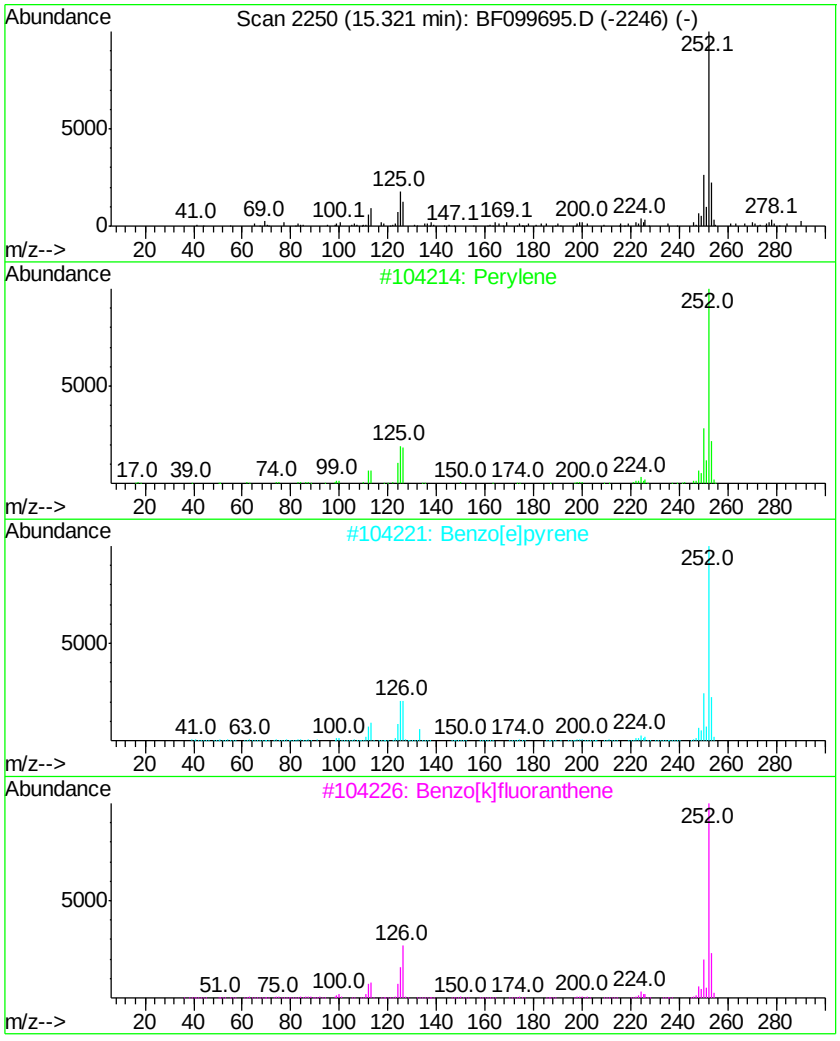
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

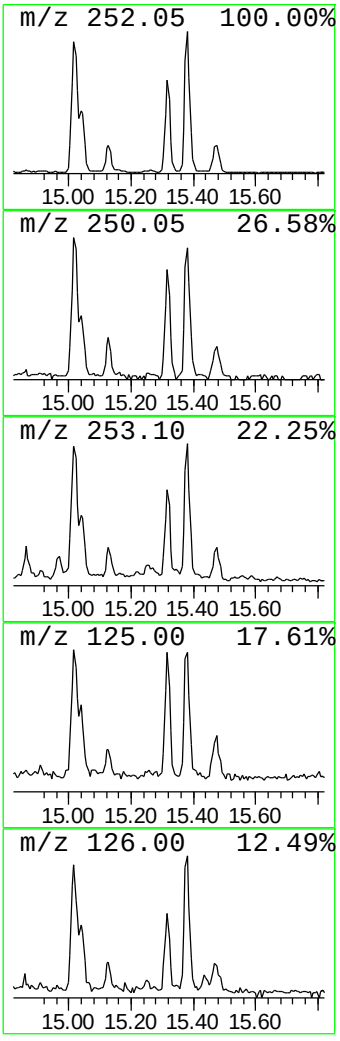
****

Peak Number 18 Perylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	4.23 ng	97247	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

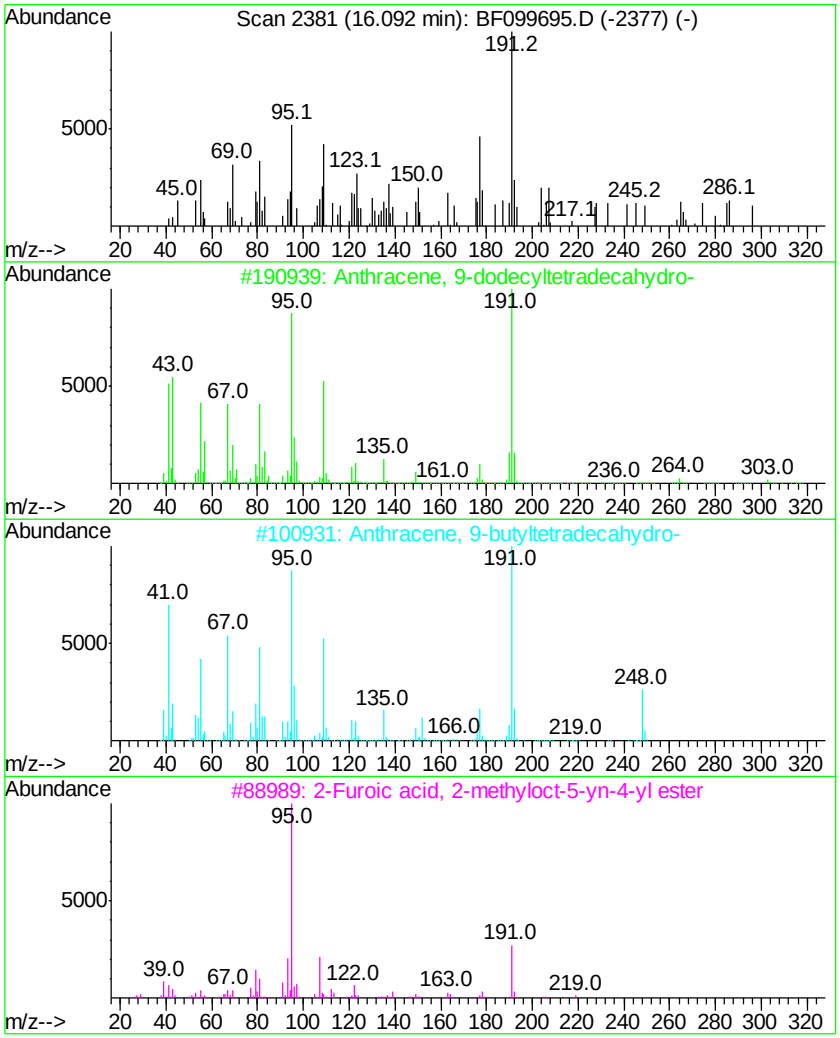
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

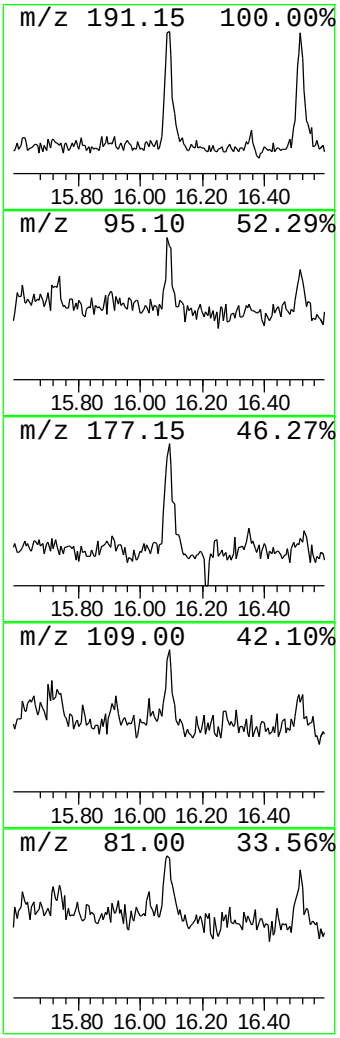
****

Peak Number 19 Anthracene, 9-dodecyltetrad... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	2.88 ng	66156	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	50
2	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	50
3	2-Furoic acid, 2-methyloct-5-yn-...	234	C14H18O3	1000299-23-7	38
4	2-Anthracenyloxirane	220	C16H12O	052643-86-4	37
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
Data File : BF099695.D
Acq On : 20 Oct 2017 12:39
Operator : SJ/JU
Sample : I5953-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EO-02-101717-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
unknown6.59	6.59	11.9	ng	337301	1	6.81	567163	20.0
Naphthalene, 1,6,...	10.27	2.5	ng	112840	3	9.85	904380	20.0
9H-Fluorene, 1-me...	10.95	2.7	ng	109268	4	11.33	822309	20.0
Hexadecanoic acid...	11.72	17.3	ng	709064	4	11.33	822309	20.0
Phenanthrene, 2-m...	11.83	5.7	ng	233465	4	11.33	822309	20.0
4H-Cyclopenta[def...	11.95	7.9	ng	326183	4	11.33	822309	20.0
Anthracene, 2-met...	11.97	3.3	ng	134673	4	11.33	822309	20.0
9,12-Octadecadien...	12.40	70.6	ng	2902430	4	11.33	822309	20.0
9-Octadecenoic ac...	12.43	44.5	ng	1827720	4	11.33	822309	20.0
Pyrene, 2-methyl-	13.00	3.4	ng	128700	5	13.98	754351	20.0
11H-Benzo[b]fluorene	13.11	4.6	ng	172135	5	13.98	754351	20.0
Pyrene, 1-methyl-	13.22	3.9	ng	147836	5	13.98	754351	20.0
Benz[a]anthracene...	13.80	2.4	ng	89313	5	13.98	754351	20.0
Perylene	15.32	4.2	ng	97247	6	15.44	459789	20.0
Anthracene, 9-dod...	16.09	2.9	ng	66156	6	15.44	459789	20.0