LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

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-BF070117.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	4.881	470	475	487	rVB	278147	345815	16.05%	1.160%
2	5.310	543	548	551	rBV	2289561	2154772	100.00%	7.228%
3	6.339	718	723	734	rVB	2217036	2138959	99.27%	7.175%
4	6.469	740	745	748	rBV	2218119	1967582	91.31%	6.600%
5	6.534	753	756	761	rBV3	26286	29499	1.37%	0.099%
6	6.698	780	784	787	rBV	798746	621778	28.86%	2.086%
7	6.857	807	811	814	rBV	1812939	1597701	74.15%	5.359%
8	6.963	825	829	837	rBV	44079	64484	2.99%	0.216%
9	7.257	874	879	882	rBV	1484457	1221413	56.68%	4.097%
10	7.363	892	897	902	rVB4	25199	33472	1.55%	0.112%
11	7.739	954	961	964	rBV3	18565	28798	1.34%	0.097%
12	7.981	998	1002	1005	rBV	979150	814213	37.79%	2.731%
13	8.628	1107	1112	1117	rVB6	21294	38915	1.81%	0.131%
14	8.692	1121	1123	1127	rVB	30228	23546	1.09%	0.079%
15	9.057	1181	1185	1188	rBV	2304389	1895492	87.97%	6.358%
16	9.151	1195	1201	1205	rVB4	48982	54100	2.51%	0.181%
17	9.216	1205	1212	1216	rBV7	12181	30933	1.44%	0.104%
18	9.257	1216	1219	1223	rVB3	18272	24595	1.14%	0.082%
19	9.392	1239	1242	1245	rBV	36501	36455	1.69%	0.122%
20	9.451	1249	1252	1258	rVB2	178165	191821	8.90%	0.643%
21	9.592	1272	1276	1280	rBV	415929	366129	16.99%	1.228%
22	9.680	1288	1291	1295	rVB	42034	34153	1.58%	0.115%
23	9.727	1295	1299	1303	rVV	760830	745889	34.62%	2.502%
24	9.763	1303	1305	1310	rVV	40968	45520	2.11%	0.153%
25	9.839	1313	1318	1322	rVB6	22097	37235	1.73%	0.125%
26	9.933	1332	1334	1338	rVB2	36362	34185	1.59%	0.115%
27	9.975	1338	1341	1344	rVB	30821	24866	1.15%	0.083%
28	9.998	1344	1345	1349	rVB4	23817	22496	1.04%	0.075%
29	10.039	1349	1352	1356	rBV4	46225	67761	3.14%	0.227%
30	10.139	1364	1369	1373	rBV3	44313	68457	3.18%	0.230%
31	10.180	1373	1376	1380	rVB2	107981	104233	4.84%	0.350%
32	10.245	1385	1387	1390	rVV	48713	44357	2.06%	0.149%
33	10.275	1390	1392	1399	rVB3	42041	66101	3.07%	0.222%
34	10.386	1408	1411	1416	rBV3	56393	82969	3.85%	0.278%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

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-BF070117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.457	1420	1423	1425	rVB	35317	31470	1.46%	0.106%
36	10.516	1428	1433	1438	rVB	1128481	994011	46.13%	3.334%
37	10.645	1452	1455	1462	rVB2	144732	169067	7.85%	0.567%
38	10.722	1465	1468	1473	rBV3	18582	29272	1.36%	0.098%
39	10.816	1481	1484	1487	rBV3	26250	35229	1.63%	0.118%
40	10.851	1487	1490	1493	rVV2	41143	53984	2.51%	0.181%
41	10.904	1497	1499	1502	rVB2	28598	23853	1.11%	0.080%
42	10.974	1509	1511	1514	rVB2	42307	35344	1.64%	0.119%
43	11.016	1516	1518	1523	rVB3	34230	36465	1.69%	0.122%
44	11.098	1529	1532	1535	rBV2	97132	119575	5.55%	0.401%
45	11.127	1535	1537	1540	rVB	48379	43657	2.03%	0.146%
46	11.210	1547	1551	1553	rBV	773347	638429	29.63%	2.141%
47	11.233	1553	1555	1559	rVB	348748	263944	12.25%	0.885%
48	11.286	1560	1564	1567	rVV	321462	297729	13.82%	0.999%
49	11.316	1567	1569	1576	rVV6	39833	61514	2.85%	0.206%
50	11.439	1587	1590	1593	rBV	32910	32082	1.49%	0.108%
51	11.521	1601	1604	1606	rBV	97595	97966	4.55%	0.329%
52	11.539	1606	1607	1610	rVB	94705	59153	2.75%	0.198%
53	11.621	1618	1621	1625	rVB2	89015	103620	4.81%	0.348%
54	11.710	1633	1636	1639	rBV	141229	146368	6.79%	0.491%
55	11.739	1639	1641	1646	rVB	218395	191840	8.90%	0.643%
56	11.786	1646	1649	1652	rBV	154188	128974	5.99%	0.433%
57	11.821	1652	1655	1658	rBV2	262637	320134	14.86%	1.074%
58	11.845	1658	1659	1662	rVB	111482	55612	2.58%	0.187%
59	11.927	1670	1673	1675	rBV	107815	93709	4.35%	0.314%
60	12.004	1684	1686	1688	rBV	71941	54950	2.55%	0.184%
61	12.027	1688	1690	1697	rVB3	96613	127143	5.90%	0.426%
62	12.080	1697	1699	1701	rBV2	30973	36084	1.67%	0.121%
63	12.139	1706	1709	1710	rBV	61582	60377	2.80%	0.203%
64	12.157	1710	1712	1714	rVB	52078	37963	1.76%	0.127%
65	12.186	1715	1717	1719	rVB	74460	53581	2.49%	0.180%
66	12.210	1719	1721	1723	rVB3	101671	75215	3.49%	0.252%
67	12.263	1726	1730	1732	rBV	257225	262635	12.19%	0.881%
68	12.298	1732	1736	1737	rVV2	187669	194317	9.02%	0.652%
69	12.316	1737	1739	1742	rVV	229785	205141	9.52%	0.688%
70	12.345	1742	1744	1748	rVB3	113135	130909	6.08%	0.439%
71	12.386	1748	1751	1753	rBV	58761	53971	2.50%	0.181%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

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-BF070117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.421	1753	1757	1760	rVV	941219	833335	38.67%	2.795%
73	12.510	1770	1772	1776	rBV	139142	145393	6.75%	0.488%
74	12.645	1790	1795	1798	rBV	974867	1126237	52.27%	3.778%
75	12.686	1800	1802	1804	rVV	147030	125571	5.83%	0.421%
76	12.710	1804	1806	1809	rVB2	111569	99188	4.60%	0.333%
77	12.768	1813	1816	1817	rBV	89602	81717	3.79%	0.274%
78	12.798	1817	1821	1824	rBV	1586566	1581384	73.39%	5.304%
79	12.868	1830	1833	1839	rVB2	152333	210976	9.79%	0.708%
80	12.974	1849	1851	1855	rVB	255059	254424	11.81%	0.853%
81	13.039	1860	1862	1865	rVV	288694	259226	12.03%	0.869%
82	13.080	1866	1869	1872	rVV2	175274	137299	6.37%	0.461%
83	13.168	1882	1884	1887	rVB	196197	166138	7.71%	0.557%
84	13.204	1887	1890	1893	rBV	122777	115073	5.34%	0.386%
85	13.386	1918	1921	1925	rVB2	191409	204006	9.47%	0.684%
86	13.839	1994	1998	2001	rBV2	766477	1092187	50.69%	3.663%
87	13.868	2001	2003	2005	rVB	447255	338718	15.72%	1.136%
88	14.027	2027	2030	2033	rVB2	271995	238438	11.07%	0.800%
89	14.327	2079	2081	2084	rBV2	206943	187784	8.71%	0.630%
90	14.627	2130	2132	2137	rBV3	215460	300175	13.93%	1.007%
91	14.857	2167	2171	2174	rBV	403393	605687	28.11%	2.032%
92	15.133	2216	2218	2224	rVB	244138	263837	12.24%	0.885%
93	15.192	2225	2228	2234	rVB	329054	388816	18.04%	1.304%
94	15.251	2235	2238	2241	rBV	253510	266949	12.39%	0.895%
95	15.909	2347	2350	2357	rVB2	232349	376758	17.48%	1.264%

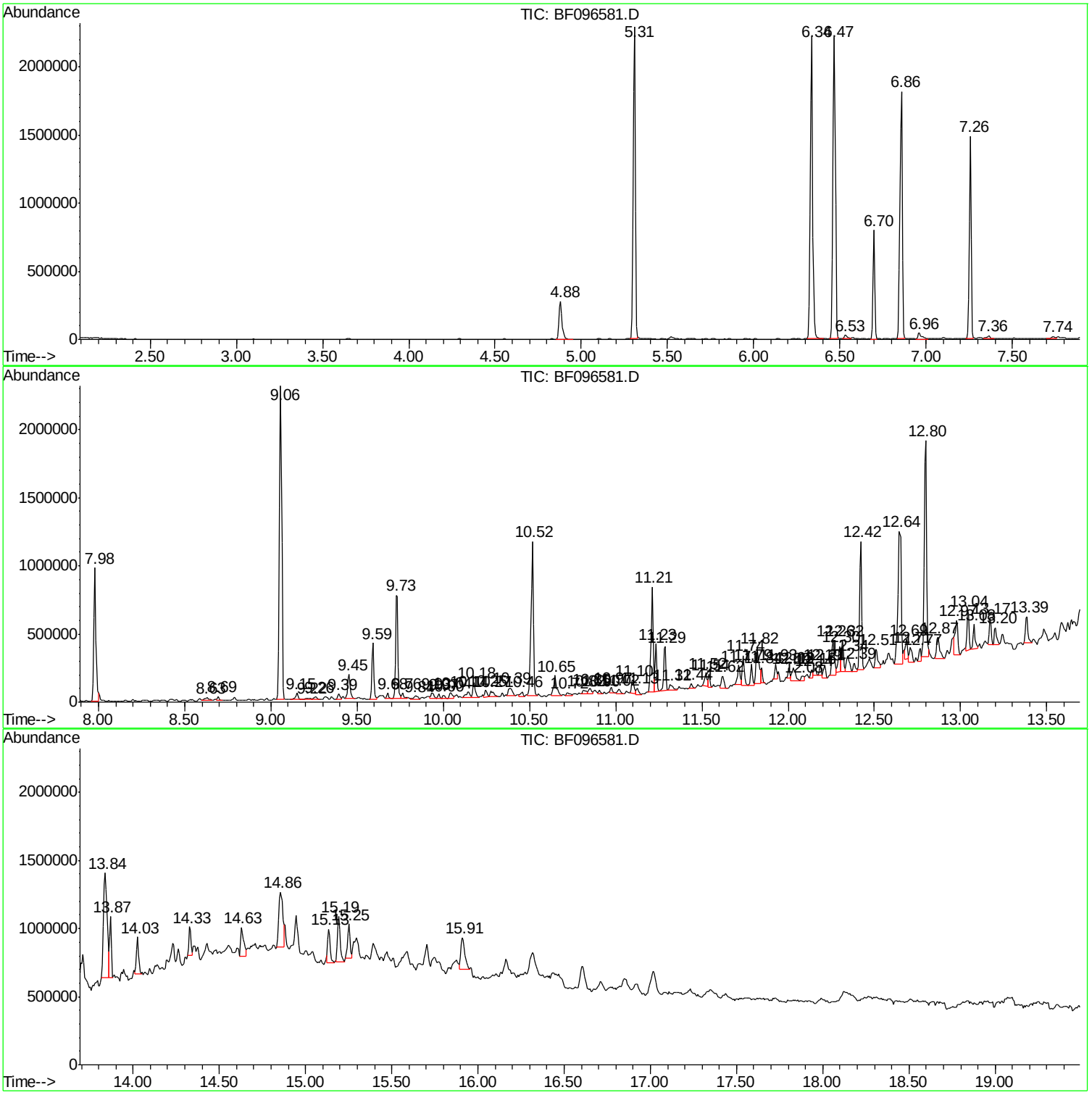
Sum of corrected areas: 29813297

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

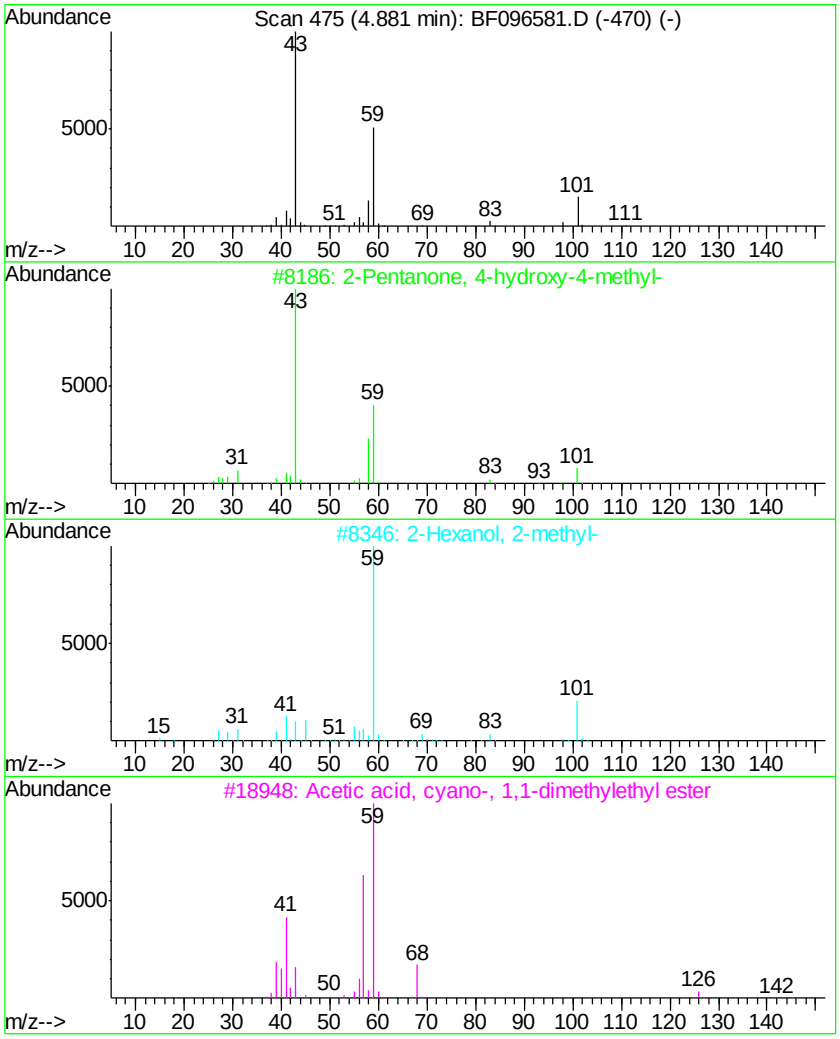
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

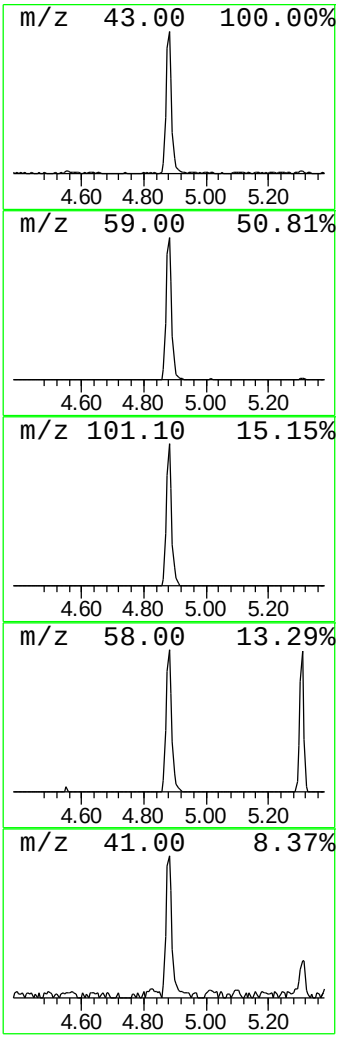
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	11.12 ng	345815	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

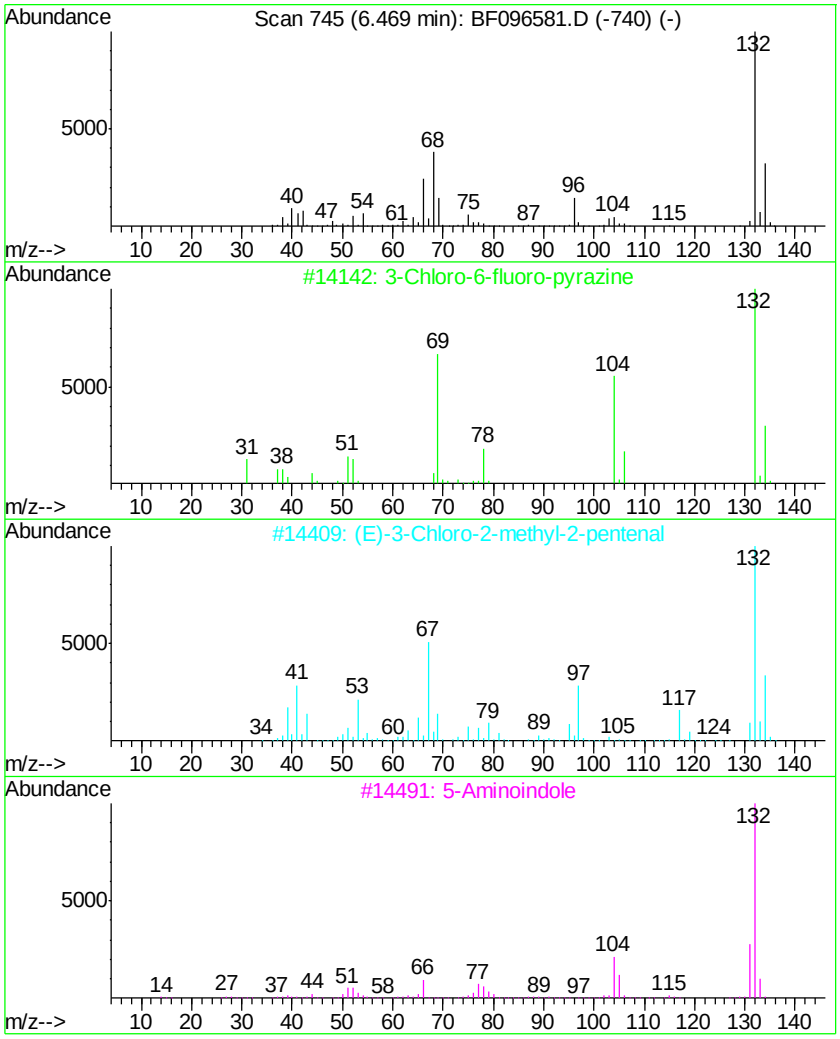
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

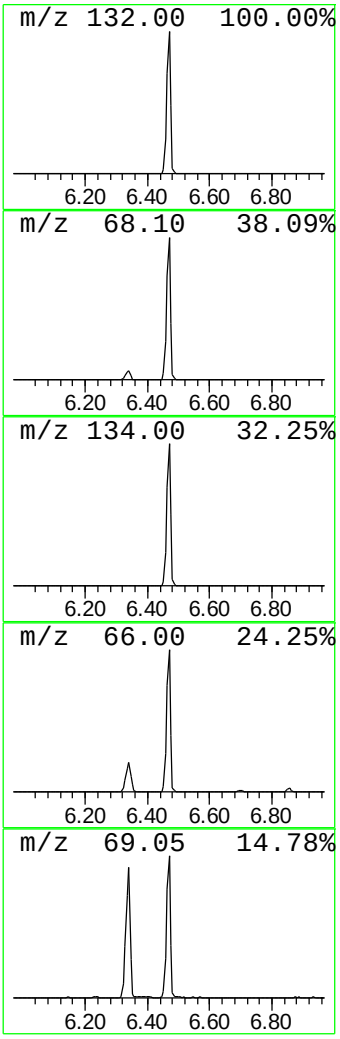
****

Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	63.29 ng	1967580	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

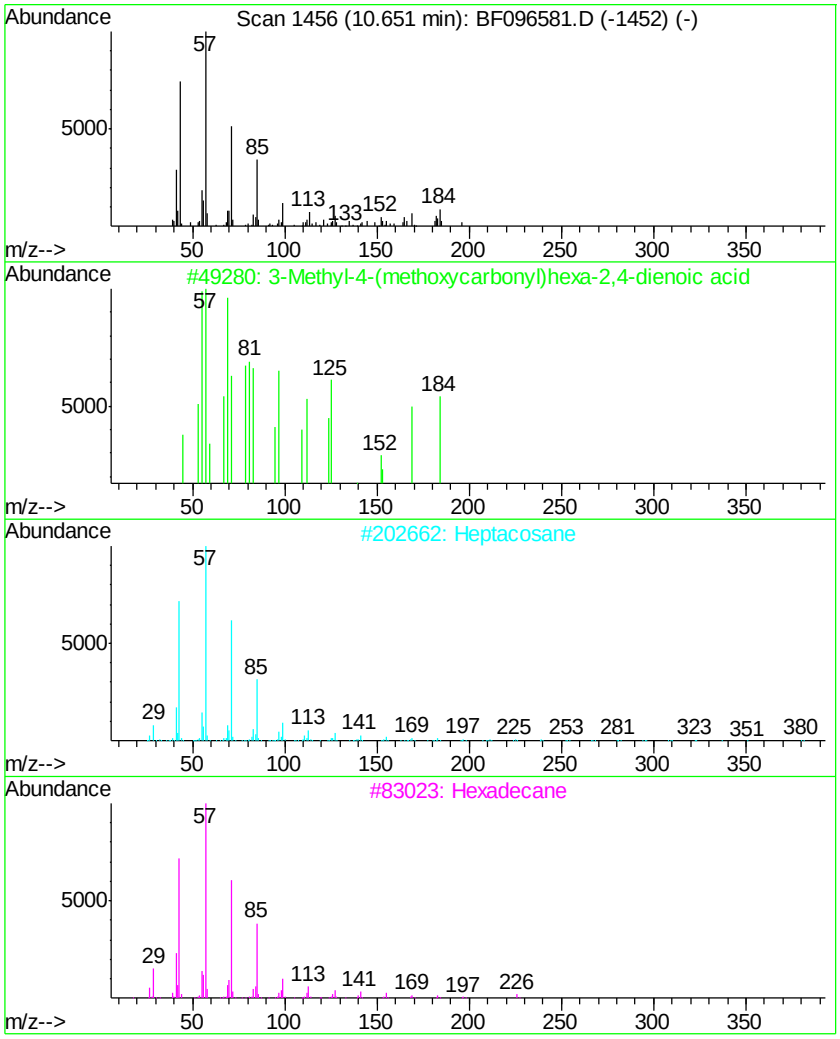
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

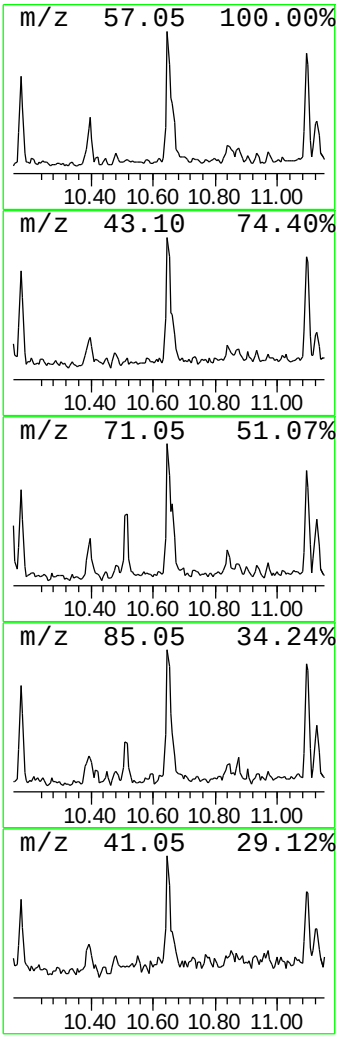
****

Peak Number 4 3-Methyl-4-(methoxycarbonyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	5.30 ng	169067	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	87
2	Heptacosane	380	C27H56	000593-49-7	58
3	Hexadecane	226	C16H34	000544-76-3	52
4	Eicosane	282	C20H42	000112-95-8	52
5	Tridecane	184	C13H28	000629-50-5	52





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

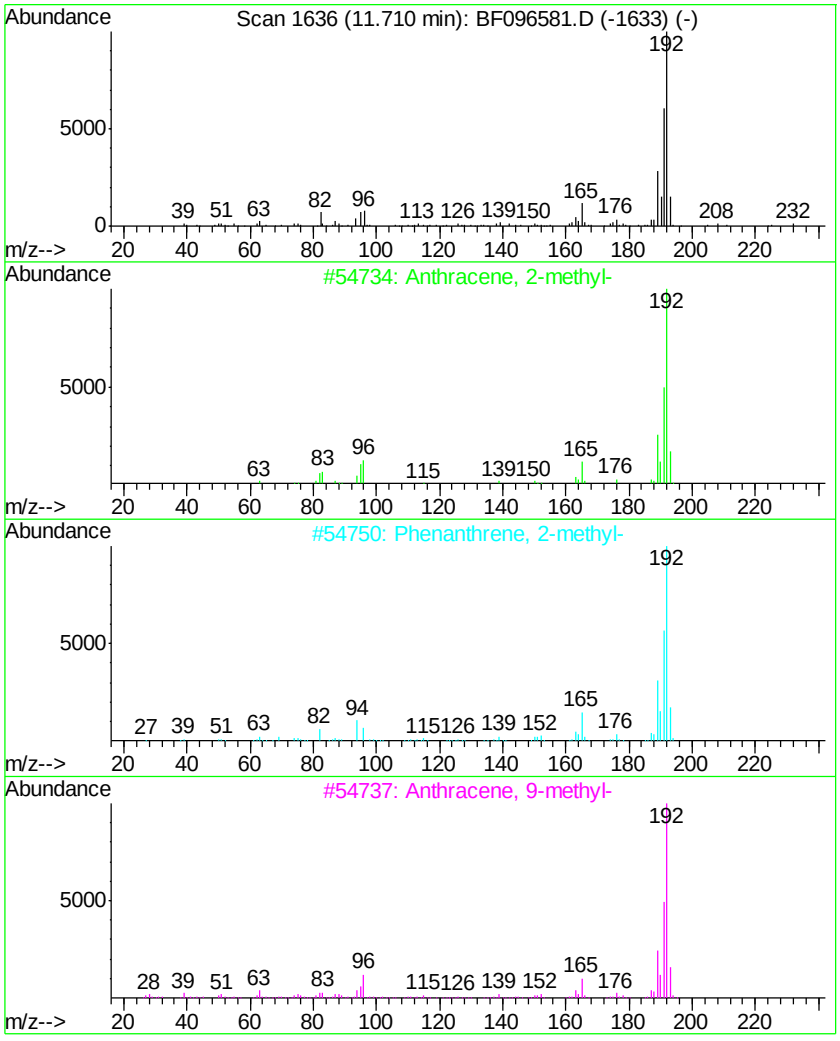
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

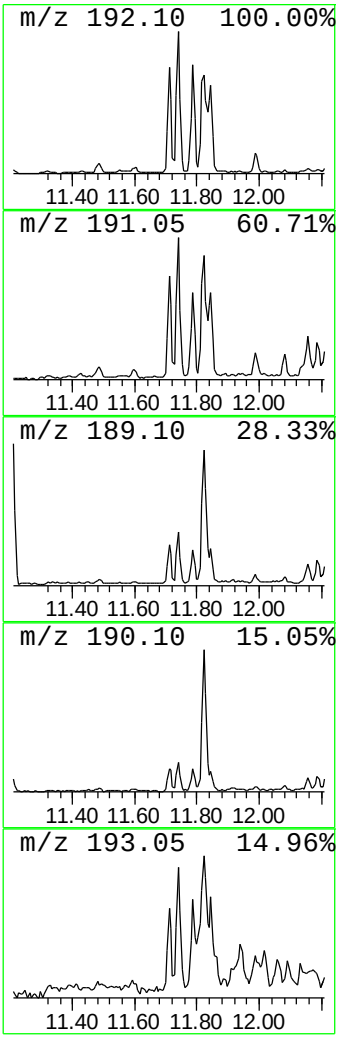
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	4.59 ng	146368	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

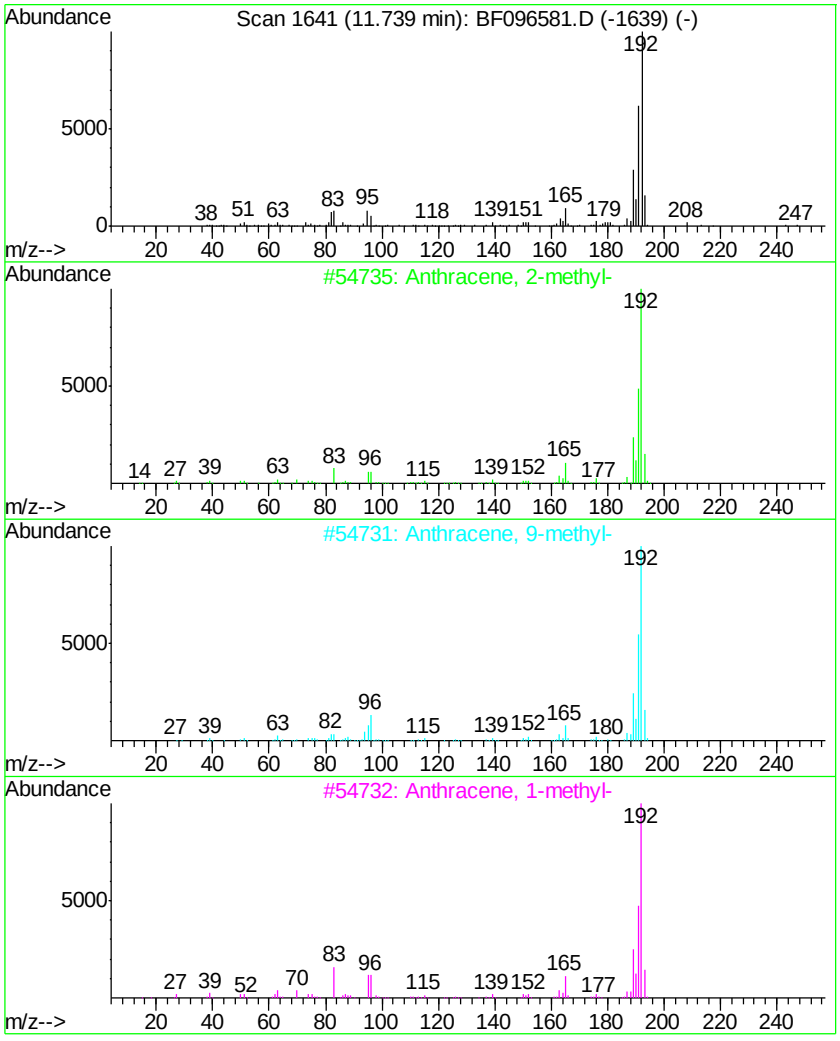
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

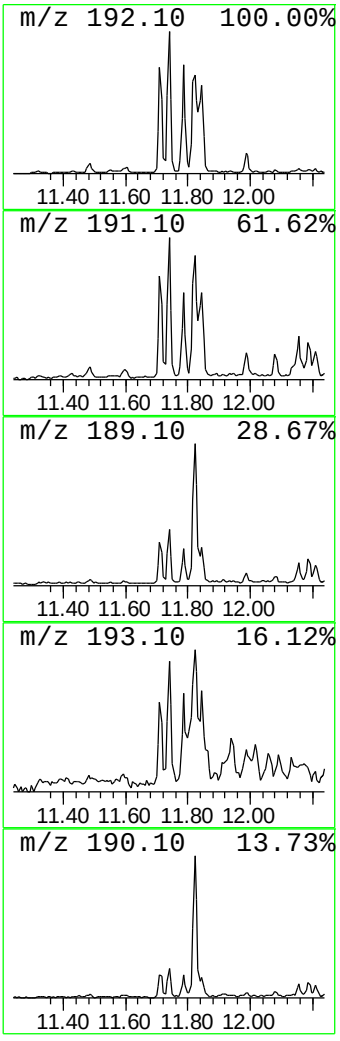
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.01 ng	191840	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

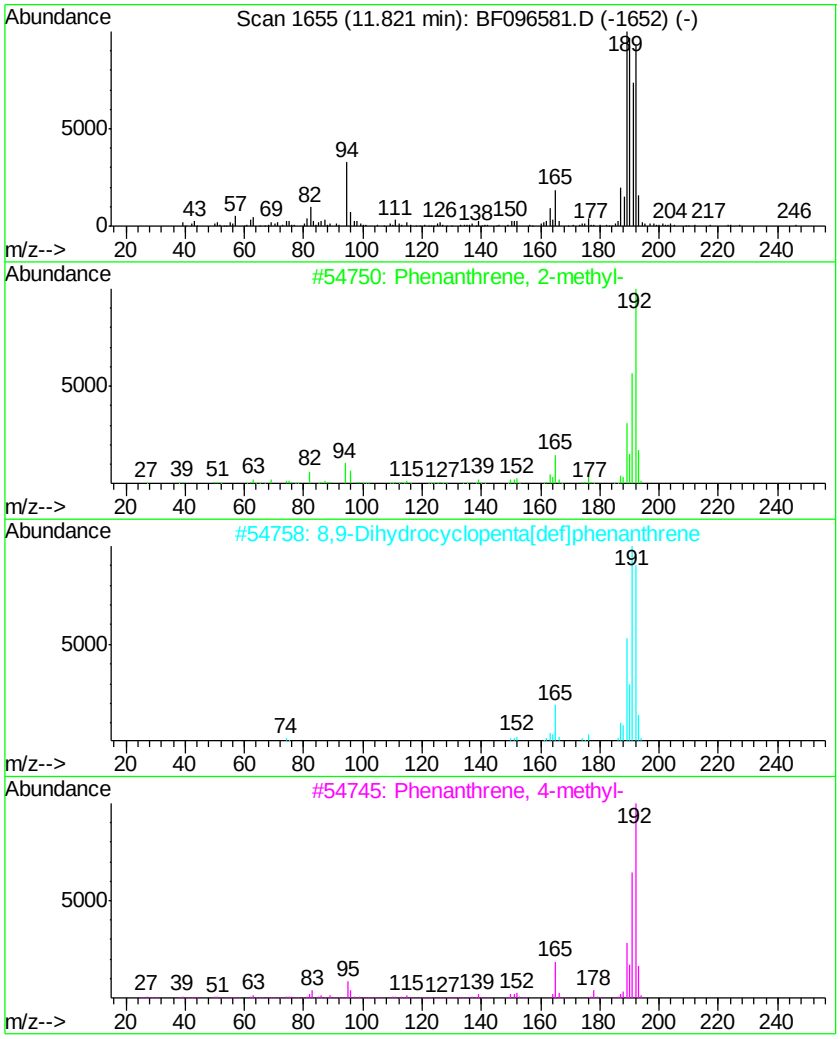
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

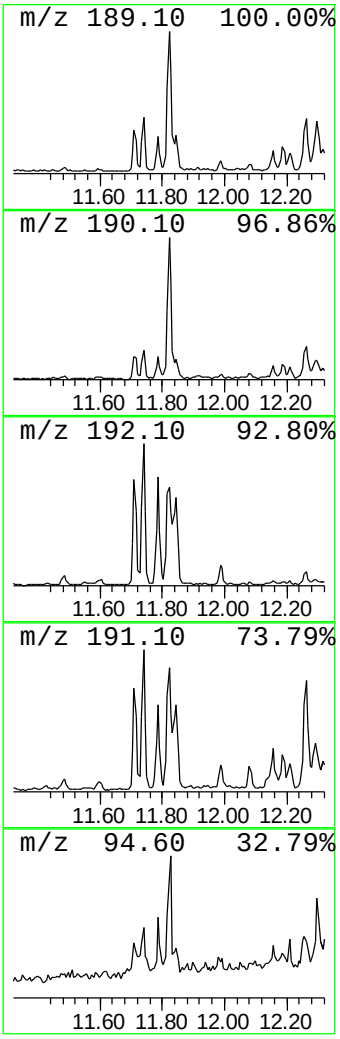
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	10.03 ng	320134	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	86
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

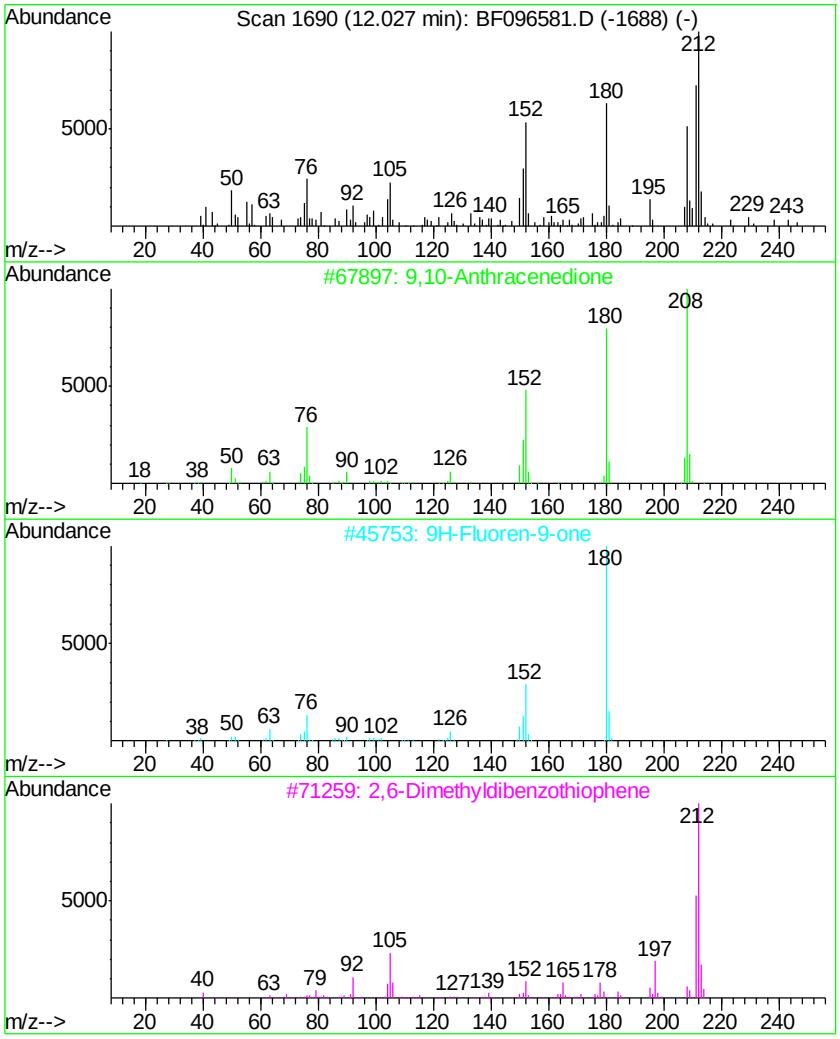
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

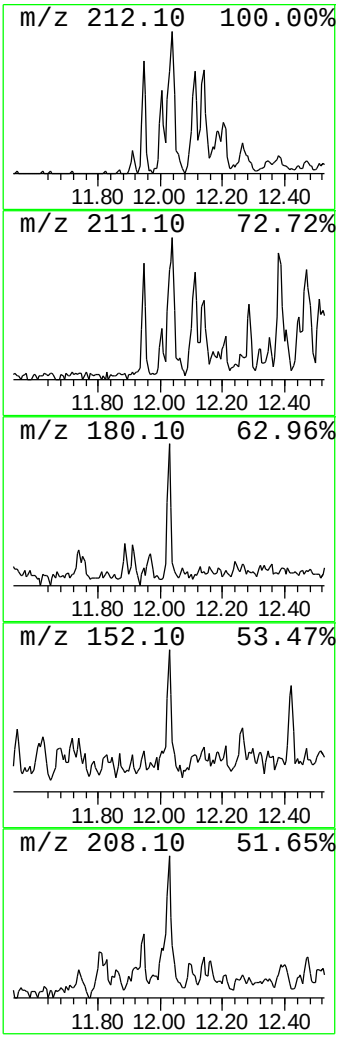
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.98 ng	127143	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	51
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	41
4	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	38
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	38





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

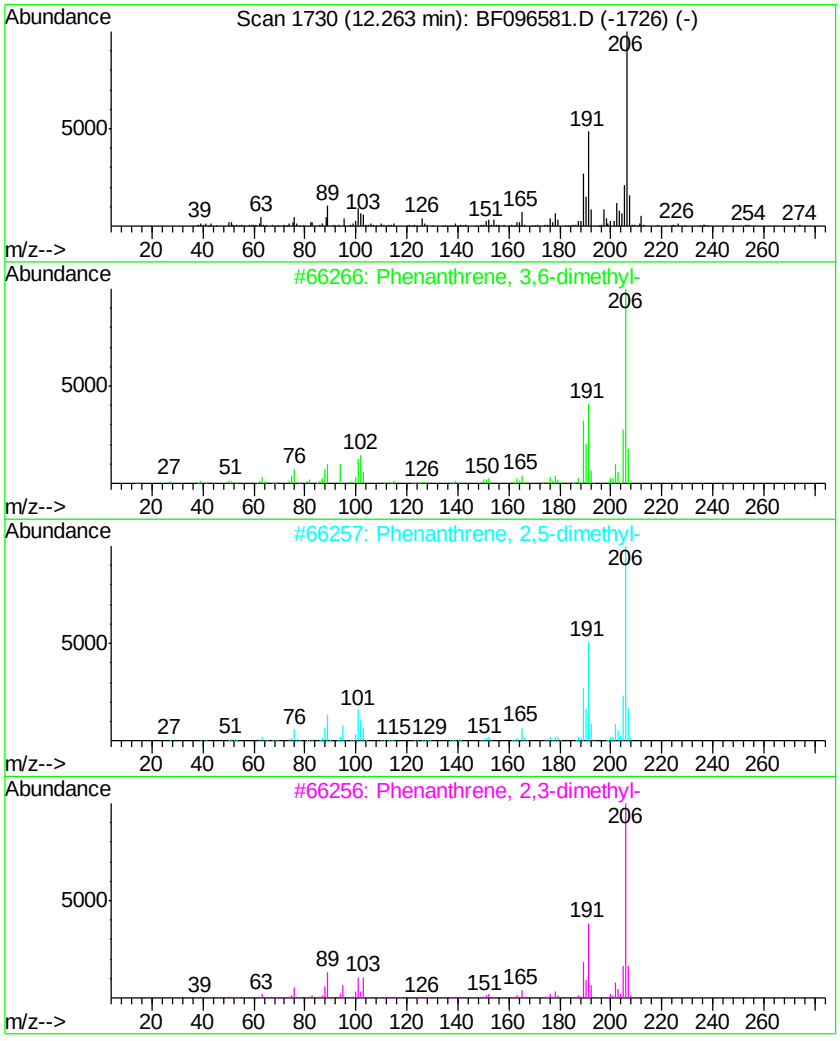
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

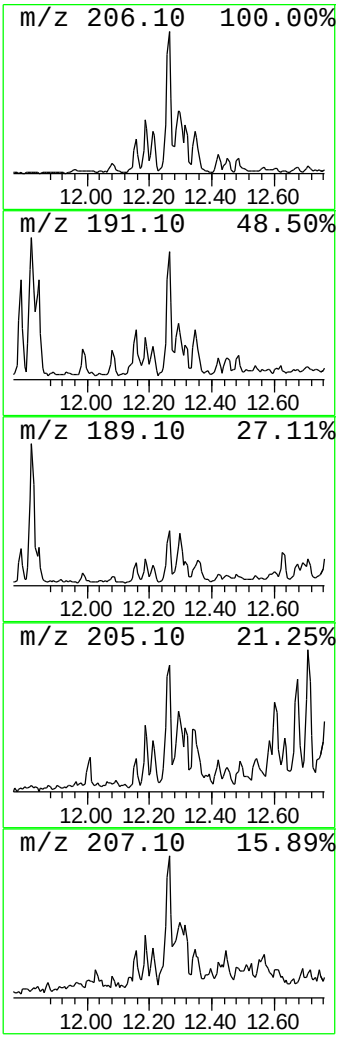
****

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	8.23 ng	262635	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

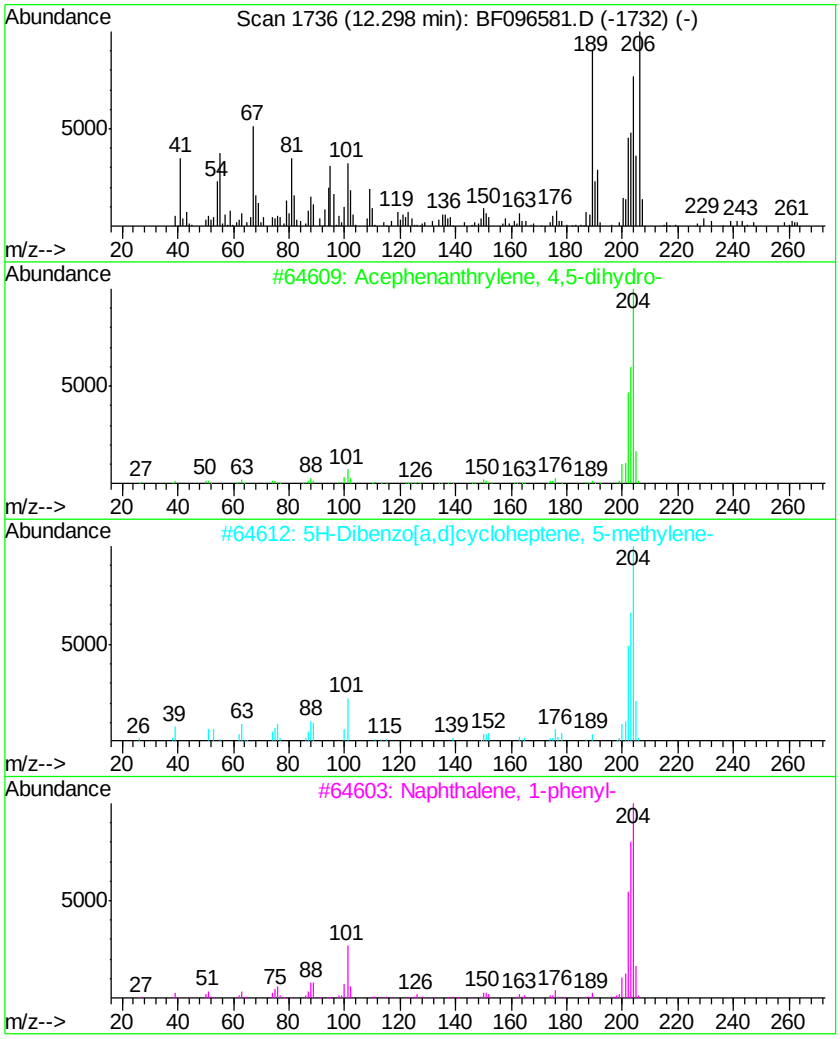
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

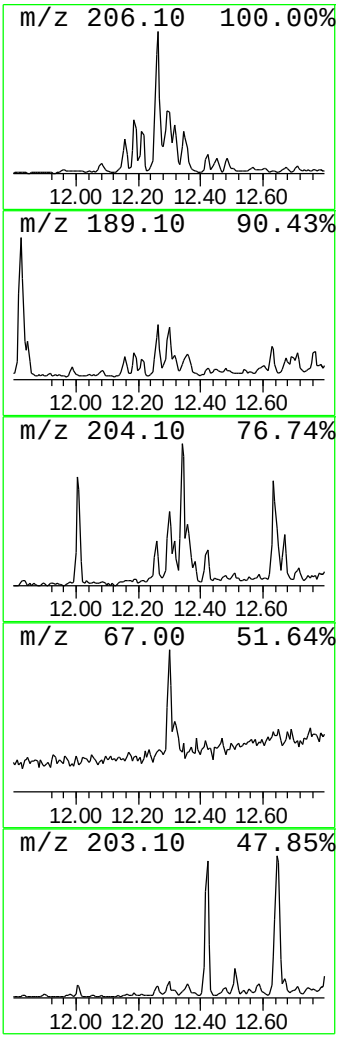
****

Peak Number 11 Acephenanthrylene, 4,5-dihy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.09 ng	194317	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	51
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	38
5	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	38





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

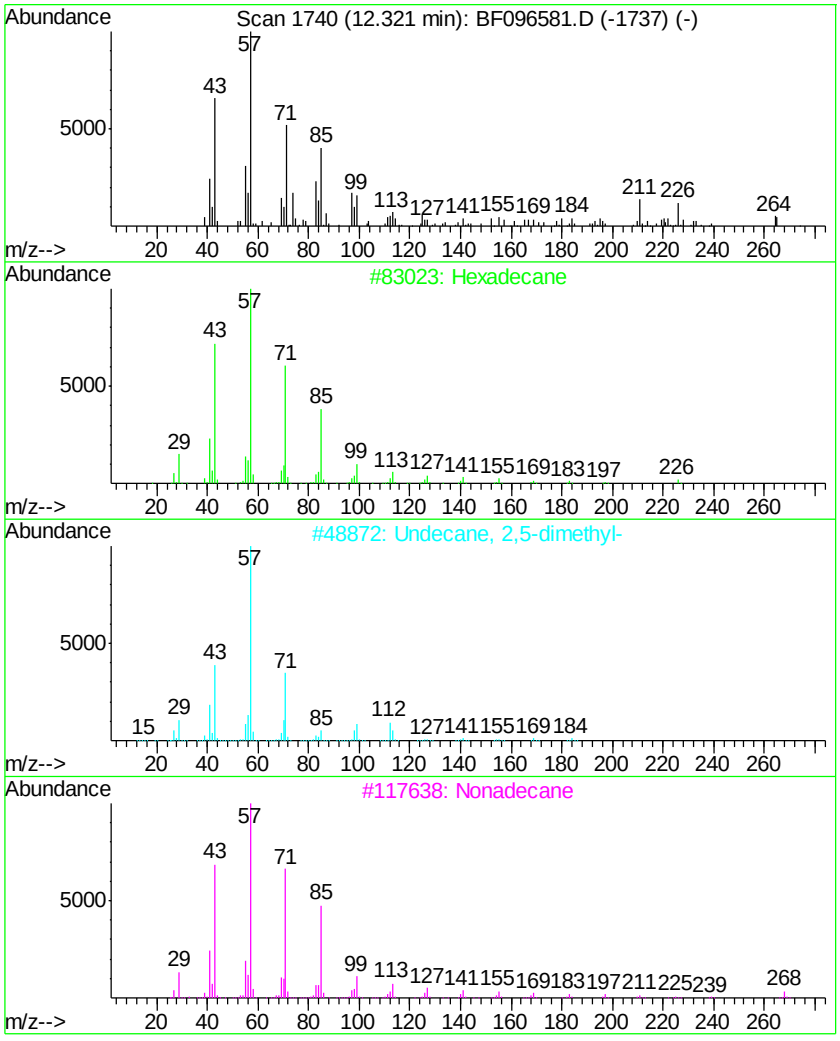
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

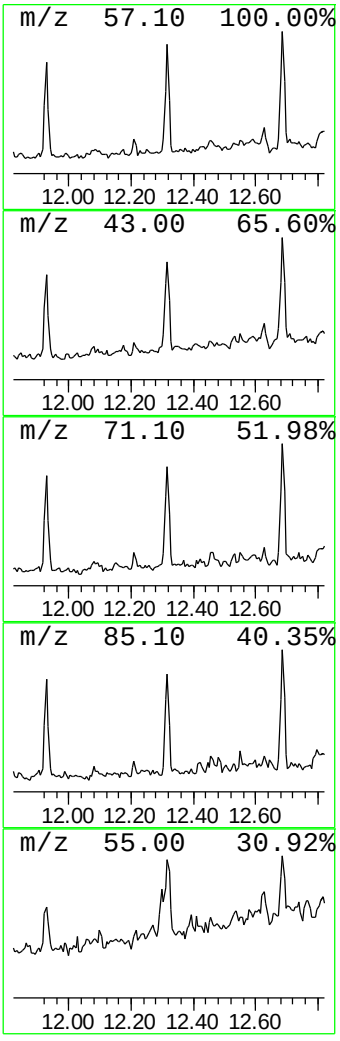
****

Peak Number 12 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	6.43 ng	205141	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	68
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
3	Nonadecane	268	C19H40	000629-92-5	58
4	Tetradecane	198	C14H30	000629-59-4	58
5	Heptadecane	240	C17H36	000629-78-7	58





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

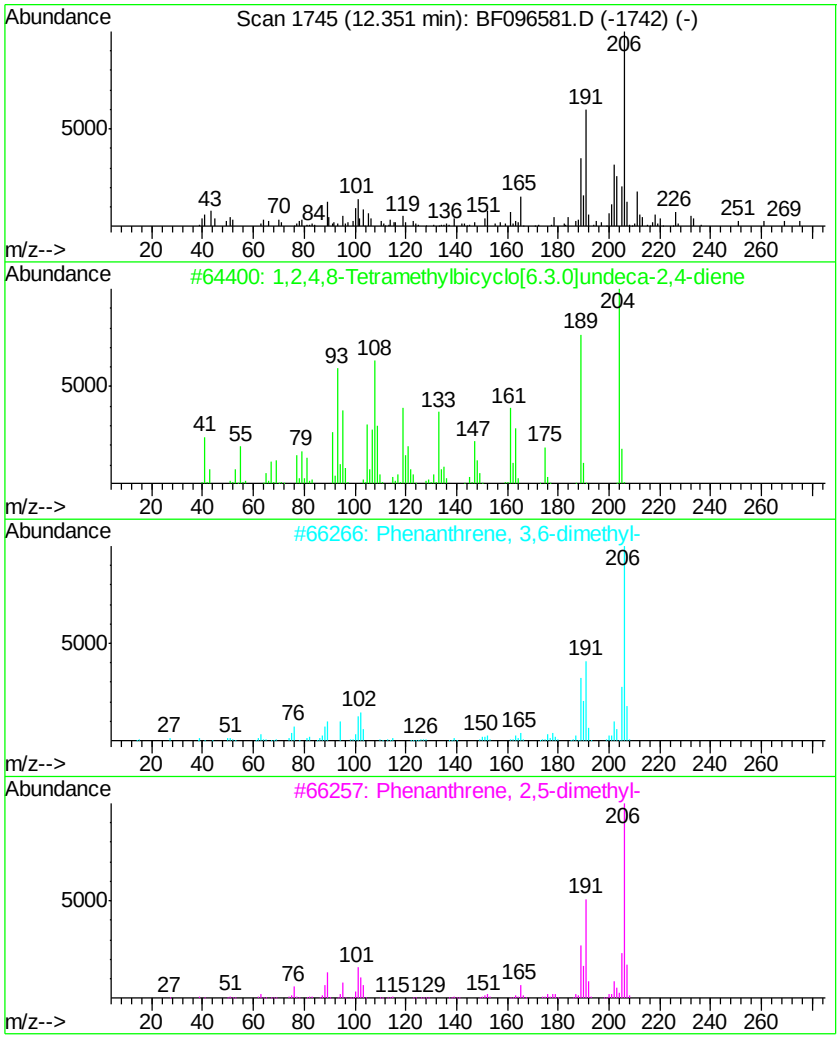
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

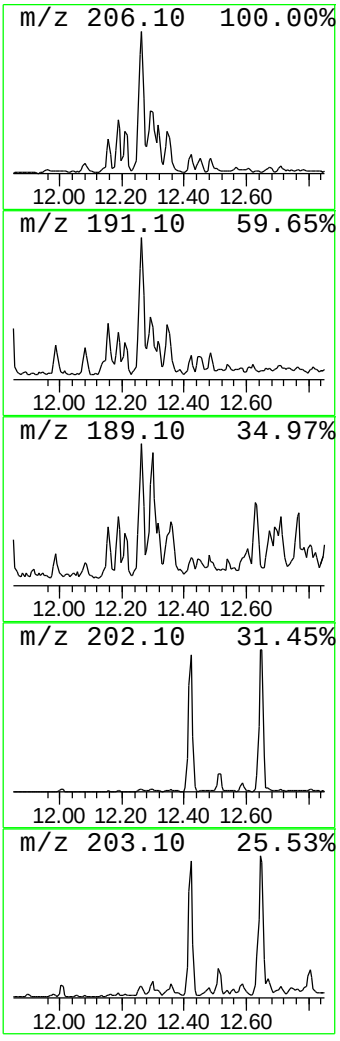
****

Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.10 ng	130909	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

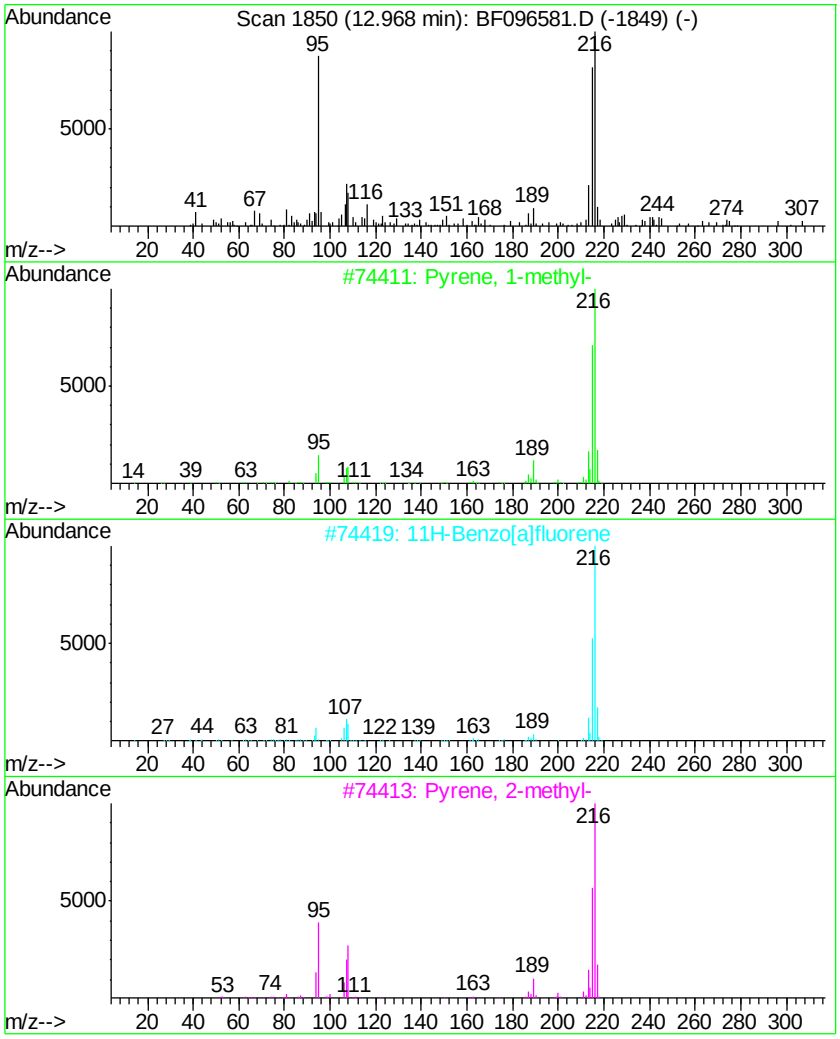
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

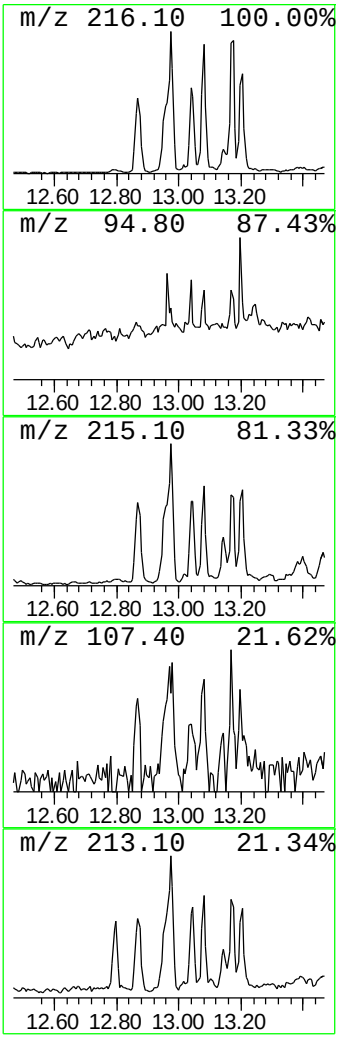
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	4.66 ng	254424	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

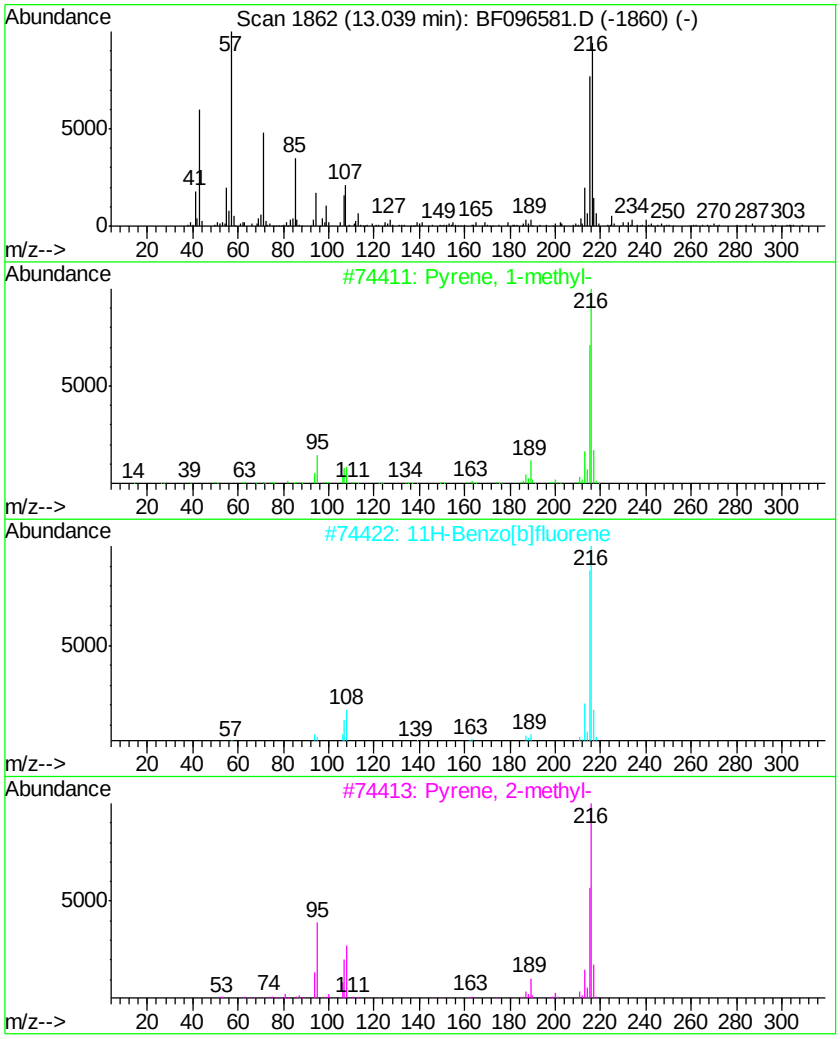
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

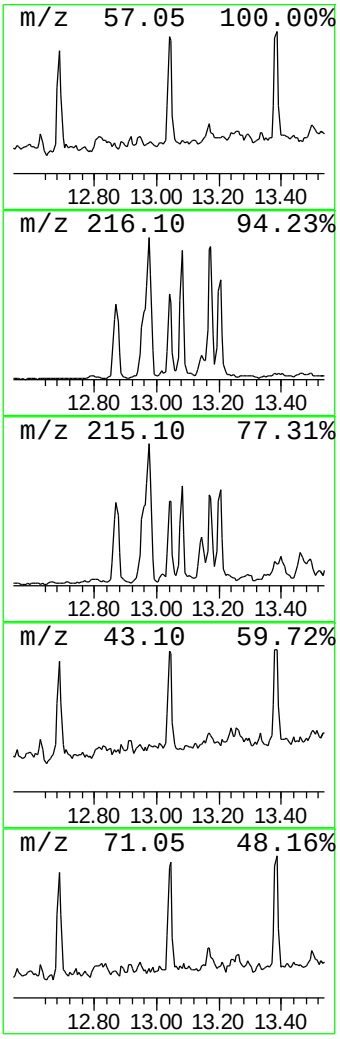
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	4.75 ng	259226	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	53
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	52
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	47





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

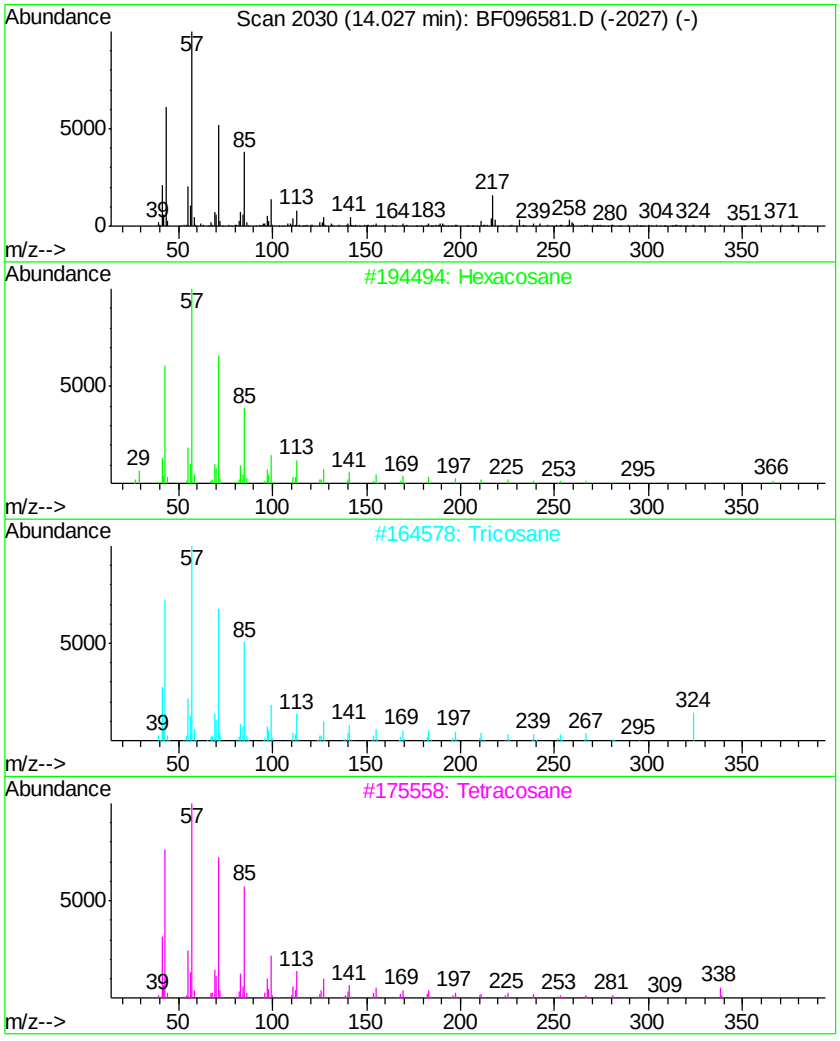
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

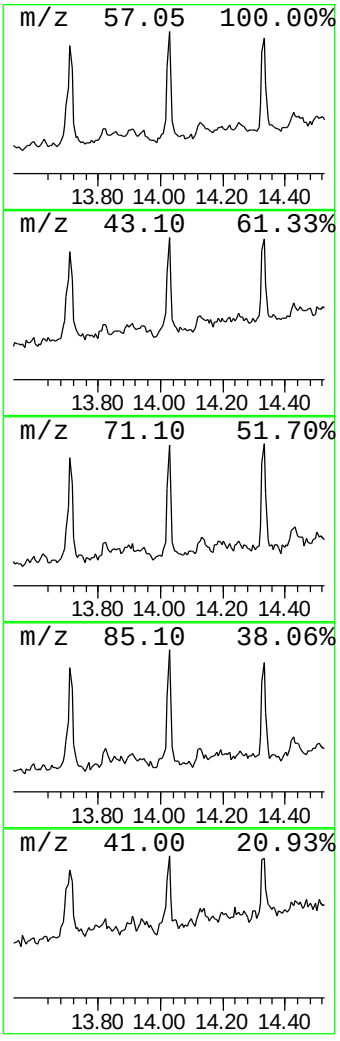
****

Peak Number 17 Hexacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	4.37 ng	238438	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	83
2	Tricosane	324	C23H48	000638-67-5	81
3	Tetracosane	338	C24H50	000646-31-1	76
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	74
5	Heptacosane	380	C27H56	000593-49-7	74





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

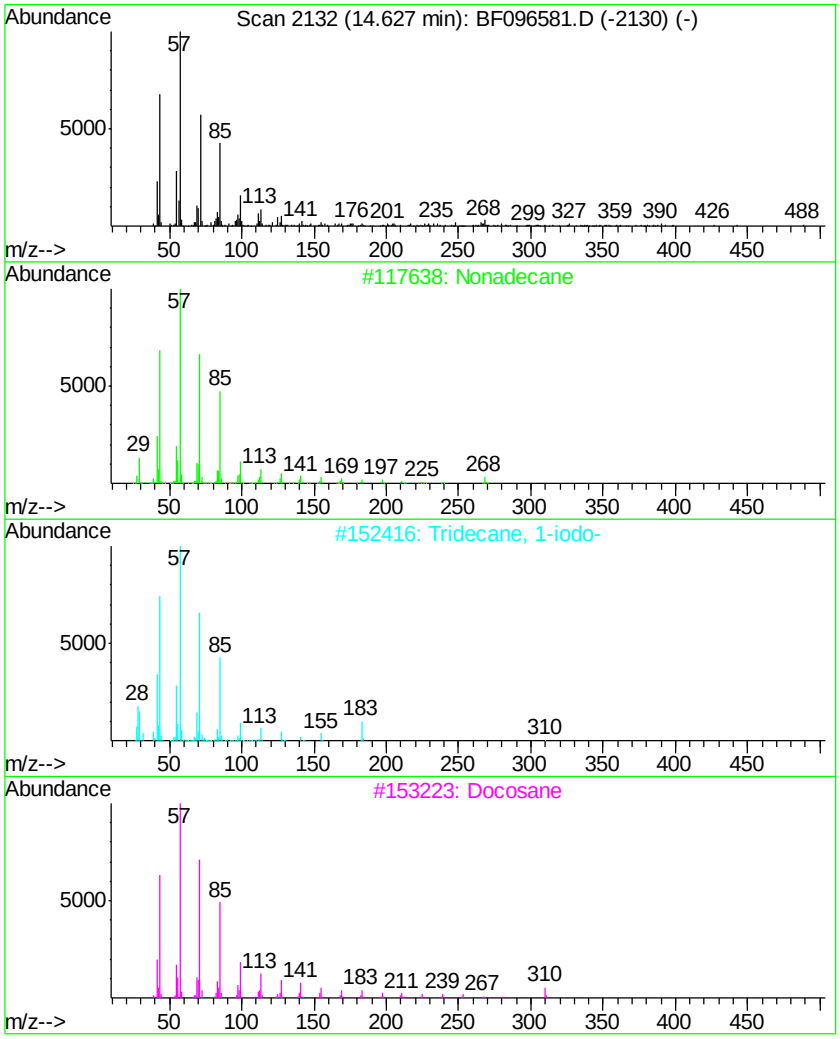
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

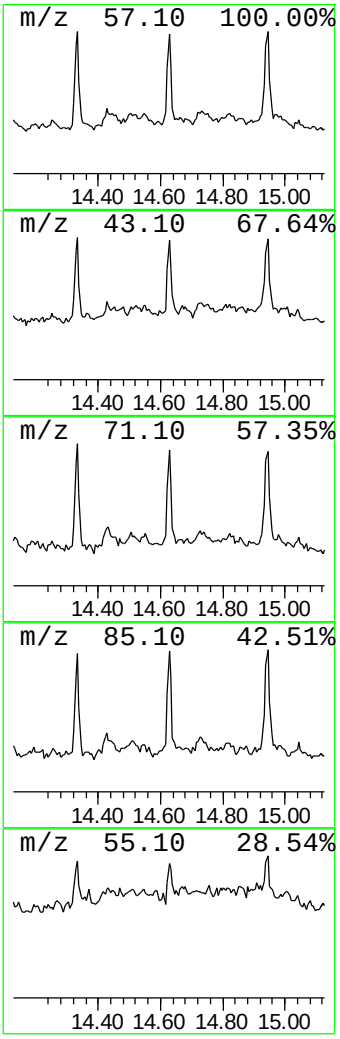
****

Peak Number 18 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	22.49 ng	300175	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Docosane	310	C22H46	000629-97-0	90
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	83
5	Heneicosane	296	C21H44	000629-94-7	83





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

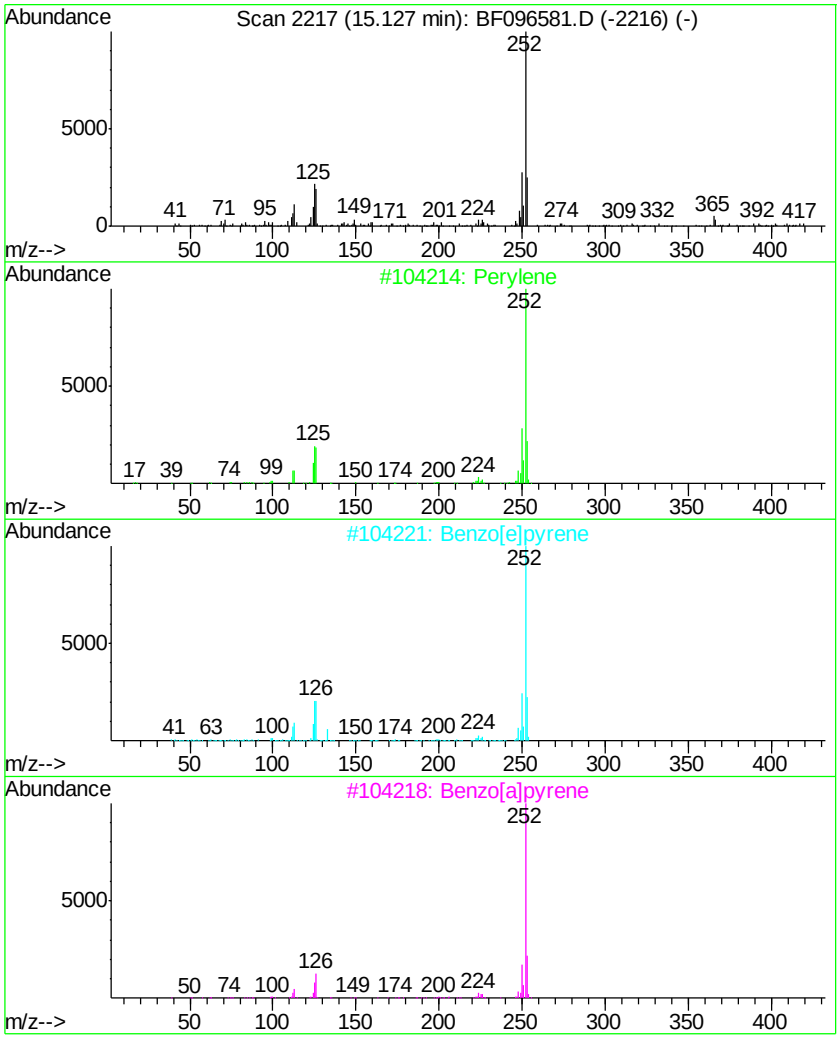
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

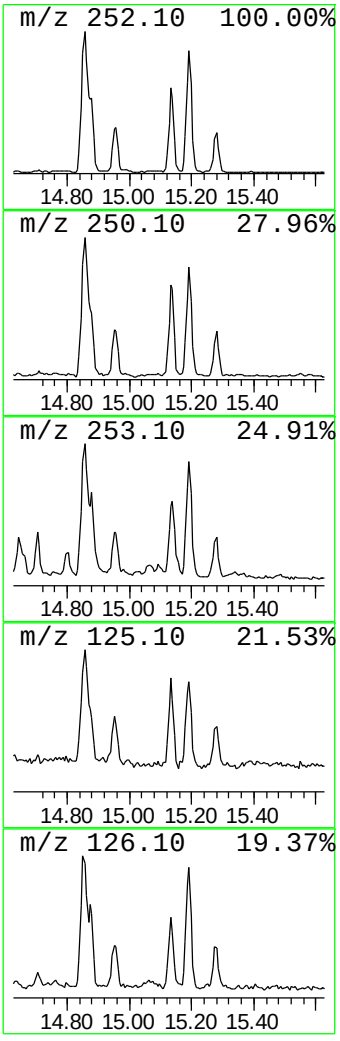
****

Peak Number 19 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	19.77 ng	263837	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

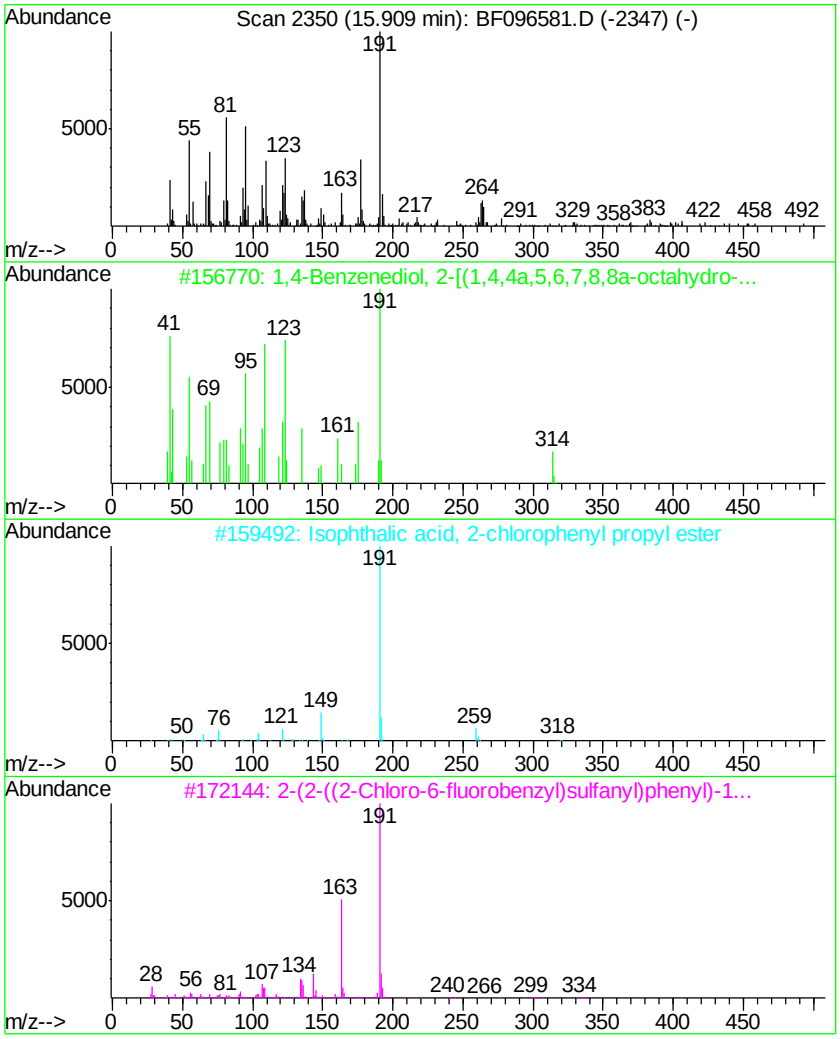
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

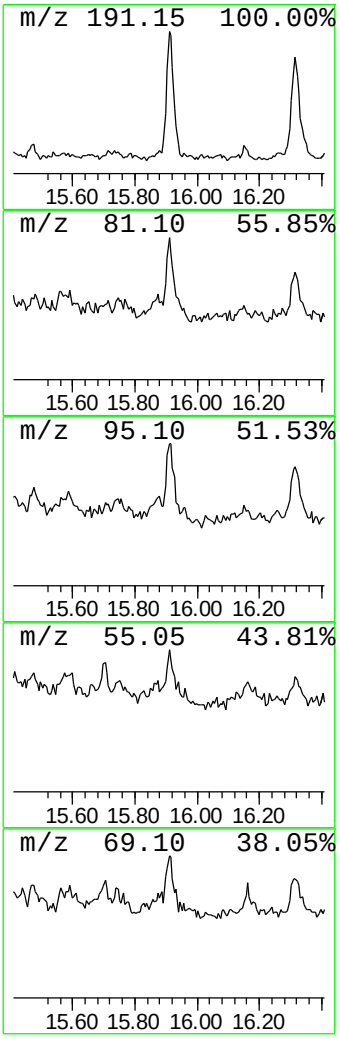
****

Peak Number 20 unknown15.91 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	28.23 ng	376758	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	35
2	Isophthalic acid, 2-chlorophenyl...	318	C17H15ClO4	1000344-49-6	27
3	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	27
4	3-Fluoro-5-trifluoromethylbenzoi...	380	C15H6Cl2F4O3	1000357-34-5	27
5	4H-Benzo[def]carbazole	191	C14H9N	000203-65-6	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF070717\
Data File : BF096581.D
Acq On : 8 Jul 2017 1:32
Operator : SJ/MA
Sample : I4062-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.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...	4.88	11.1	ng	345815	1	6.70	621778	20.0
unknown6.47	6.47	63.3	ng	1967580	1	6.70	621778	20.0
3-Methyl-4-(metho...	10.65	5.3	ng	169067	4	11.21	638429	20.0
Anthracene, 2-met...	11.71	4.6	ng	146368	4	11.21	638429	20.0
Anthracene, 9-met...	11.74	6.0	ng	191840	4	11.21	638429	20.0
Phenanthrene, 2-m...	11.82	10.0	ng	320134	4	11.21	638429	20.0
9,10-Anthracenedione	12.03	4.0	ng	127143	4	11.21	638429	20.0
Phenanthrene, 3,6...	12.26	8.2	ng	262635	4	11.21	638429	20.0
Acephenanthrylene...	12.30	6.1	ng	194317	4	11.21	638429	20.0
Hexadecane	12.32	6.4	ng	205141	4	11.21	638429	20.0
1,2,4,8-Tetrameth...	12.35	4.1	ng	130909	4	11.21	638429	20.0
Pyrene, 1-methyl-	12.97	4.7	ng	254424	5	13.84	1092190	20.0
11H-Benzo[b]fluorene	13.04	4.8	ng	259226	5	13.84	1092190	20.0
Hexacosane	14.03	4.4	ng	238438	5	13.84	1092190	20.0
Nonadecane	14.63	22.5	ng	300175	6	15.25	266949	20.0
Perylene	15.13	19.8	ng	263837	6	15.25	266949	20.0
unknown15.91	15.91	28.2	ng	376758	6	15.25	266949	20.0