LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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	5.590	550	553	572	rVB	166388	333063	3.55%	0.168%
2	5.813	587	591	598	rBV2	164288	276047	2.94%	0.139%
3	6.596	721	724	736	rBV	199332	439149	4.68%	0.221%
4	6.737	745	748	754	rBV	395195	449184	4.78%	0.227%
5	6.790	754	757	763	rVB2	213917	296131	3.15%	0.149%
6	6.966	783	787	794	rBV	1074194	1195915	12.74%	0.603%
7	7.119	810	813	821	rVB2	421152	461135	4.91%	0.233%
8	7.225	826	831	835	rBV2	307700	373631	3.98%	0.188%
9	7.531	880	883	887	rBV2	275958	407262	4.34%	0.205%
10	7.831	930	934	937	rBV3	194420	319929	3.41%	0.161%
11	7.884	940	943	945	rBV3	273805	265129	2.82%	0.134%
12	7.984	957	960	962	rBV2	340434	365884	3.90%	0.185%
13	8.060	969	973	979	rVB6	209256	324645	3.46%	0.164%
14	8.113	979	982	984	rBV2	345123	312296	3.33%	0.157%
15	8.190	990	995	997	rBV4	417891	455699	4.85%	0.230%
16	8.219	997	1000	1001	rVV	254675	305844	3.26%	0.154%
17	8.254	1003	1006	1007	rVV	1648126	1628457	17.34%	0.821%
18	8.272	1007	1009	1011	rVV	1487165	1521467	16.20%	0.767%
19	8.295	1011	1013	1016	rVB	2129560	1631490	17.38%	0.823%
20	8.331	1016	1019	1024	rVB4	725350	988371	10.53%	0.498%
21	8.390	1026	1029	1031	rBV2	330281	382596	4.07%	0.193%
22	8.442	1036	1038	1044	rVB5	406356	463237	4.93%	0.234%
23	8.531	1050	1053	1058	rVB5	1334773	1800909	19.18%	0.908%
24	8.578	1058	1061	1066	rBV5	595042	1082205	11.53%	0.546%
25	8.631	1066	1070	1072	rBV4	512388	663184	7.06%	0.334%
26	8.660	1072	1075	1077	rBV	2904236	2437442	25.96%	1.229%
27	8.684	1077	1079	1082	rVV3	465585	457792	4.88%	0.231%
28	8.754	1088	1091	1093	rBV3	803519	781170	8.32%	0.394%
29	8.784	1093	1096	1098	rVV2	726663	808318	8.61%	0.408%
30	8.807	1098	1100	1102	rVV2	535529	520551	5.54%	0.263%
31	8.831	1102	1104	1108	rVV3	775083	1150954	12.26%	0.580%
32	8.878	1108	1112	1113	rVV4	947713	1391260	14.82%	0.702%
33	8.925	1117	1120	1124	rVV2	1417261	1717138	18.29%	0.866%
34	8.966	1125	1127	1130	rVV	581186	487104	5.19%	0.246%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.995	1130	1132	1134	rVB3	872361	689309	7.34%	0.348%
36	9.025	1134	1137	1139	rBV4	935632	1117925	11.91%	0.564%
37	9.072	1142	1145	1147	rVV2	815498	774267	8.25%	0.390%
38	9.113	1150	1152	1153	rBV	788042	628340	6.69%	0.317%
39	9.154	1156	1159	1162	rVB3	1232892	1416971	15.09%	0.715%
40	9.195	1163	1166	1171	rBV5	610170	1088962	11.60%	0.549%
41	9.242	1171	1174	1175	rBV3	790526	718388	7.65%	0.362%
42	9.266	1175	1178	1184	rVB	4124284	4230213	45.05%	2.133%
43	9.325	1185	1188	1189	rBV2	766465	697573	7.43%	0.352%
44	9.407	1198	1202	1204	rBV2	2193524	2454896	26.15%	1.238%
45	9.442	1206	1208	1212	rVV4	1110344	1540265	16.40%	0.777%
46	9.478	1212	1214	1216	rVB	1238761	971546	10.35%	0.490%
47	9.595	1231	1234	1239	rBV4	1517912	2633645	28.05%	1.328%
48	9.725	1253	1256	1259	rVB3	4360312	4847900	51.63%	2.445%
49	9.884	1279	1283	1285	rBV2	3284091	3410585	36.32%	1.720%
50	9.925	1288	1290	1293	rVV2	2018601	1979360	21.08%	0.998%
51	9.972	1296	1298	1301	rBV2	891128	1207551	12.86%	0.609%
52	10.001	1301	1303	1305	rVV2	1255403	1093971	11.65%	0.552%
53	10.054	1309	1312	1315	rBV3	1794921	2449572	26.09%	1.235%
54	10.125	1320	1324	1328	rBV2	1409325	2615709	27.86%	1.319%
55	10.195	1334	1336	1338	rBV2	1014848	844899	9.00%	0.426%
56	10.225	1338	1341	1345	rVB2	1882959	1846393	19.67%	0.931%
57	10.266	1345	1348	1357	rVB4	3002413	4733697	50.42%	2.387%
58	10.342	1357	1361	1364	rBV	2434260	3649528	38.87%	1.841%
59	10.372	1364	1366	1371	rVB2	1659272	2242309	23.88%	1.131%
60	10.431	1373	1376	1378	rBV2	1757902	1790309	19.07%	0.903%
61	10.660	1410	1415	1418	rBV2	3087114	4956073	52.79%	2.499%
62	10.813	1439	1441	1445	rBV4	1019869	1483042	15.80%	0.748%
63	10.942	1457	1463	1469	rVB	4474168	8272856	88.11%	4.172%
64	11.166	1498	1501	1503	rVB3	1308251	1125854	11.99%	0.568%
65	11.401	1537	1541	1543	rBV	2672956	2964258	31.57%	1.495%
66	11.554	1564	1567	1570	rBV	2063435	2033272	21.66%	1.025%
67	11.607	1573	1576	1578	rBV	1545670	1485155	15.82%	0.749%
68	12.030	1645	1648	1650	rBV	1420411	1543084	16.43%	0.778%
69	12.148	1664	1668	1670	rBV3	2393592	3224801	34.35%	1.626%
70	12.325	1695	1698	1701	rBV	1357418	1476656	15.73%	0.745%
71	12.507	1727	1729	1731	rVB	1015027	753517	8.03%	0.380%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.583	1739	1742	1745	rBV	2324649	2816868	30.00%	1.421%
73	12.766	1767	1773	1778	rBV	4571733	9389101	100.00%	4.735%
74	12.848	1784	1787	1792	rVB	1090184	1348769	14.37%	0.680%
75	12.901	1794	1796	1799	rBV2	944974	943902	10.05%	0.476%
76	12.995	1805	1812	1813	rBV4	4820653	9284323	98.88%	4.682%
77	13.025	1815	1817	1821	rVB	1601947	1753356	18.67%	0.884%
78	13.307	1858	1865	1869	rVB	2710470	4612462	49.13%	2.326%
79	13.372	1873	1876	1879	rVB	2024586	1970691	20.99%	0.994%
80	13.413	1880	1883	1885	rBV2	1769917	1622977	17.29%	0.818%
81	13.507	1896	1899	1901	rBV	1935583	1947766	20.74%	0.982%
82	13.536	1901	1904	1911	rVB2	2385027	3032602	32.30%	1.529%
83	13.924	1968	1970	1972	rBV	879713	872624	9.29%	0.440%
84	13.948	1972	1974	1977	rVB	1392003	1318995	14.05%	0.665%
85	13.983	1977	1980	1985	rVB3	1187736	1567300	16.69%	0.790%
86	14.177	2007	2013	2016	rBV2	4115611	7745985	82.50%	3.906%
87	14.213	2016	2019	2024	rVB	4372478	5795499	61.73%	2.923%
88	14.260	2025	2027	2029	rBV2	609566	695704	7.41%	0.351%
89	14.289	2029	2032	2036	rVV2	1391977	1414922	15.07%	0.714%
90	14.330	2036	2039	2044	rVB3	962092	1289562	13.73%	0.650%
91	14.566	2076	2079	2082	rVB	1422416	1487042	15.84%	0.750%
92	14.595	2082	2084	2088	rVB	1082859	961618	10.24%	0.485%
93	14.695	2098	2101	2103	rBV2	1027191	1028871	10.96%	0.519%
94	15.277	2193	2200	2203	rBV	2918884	6553316	69.80%	3.305%
95	15.383	2214	2218	2229	rVB	1292440	2125074	22.63%	1.072%
96	15.601	2249	2255	2260	rVB	2359959	3986860	42.46%	2.011%
97	15.677	2261	2268	2273	rBV	3300588	5931916	63.18%	2.992%
98	15.766	2280	2283	2289	rVB3	1213056	1862843	19.84%	0.939%
99	17.330	2542	2549	2556	rVB	1606375	3868070	41.20%	1.951%
100	17.824	2625	2633	2646	rVB	1249229	3573299	38.06%	1.802%

Sum of corrected areas: 198289556

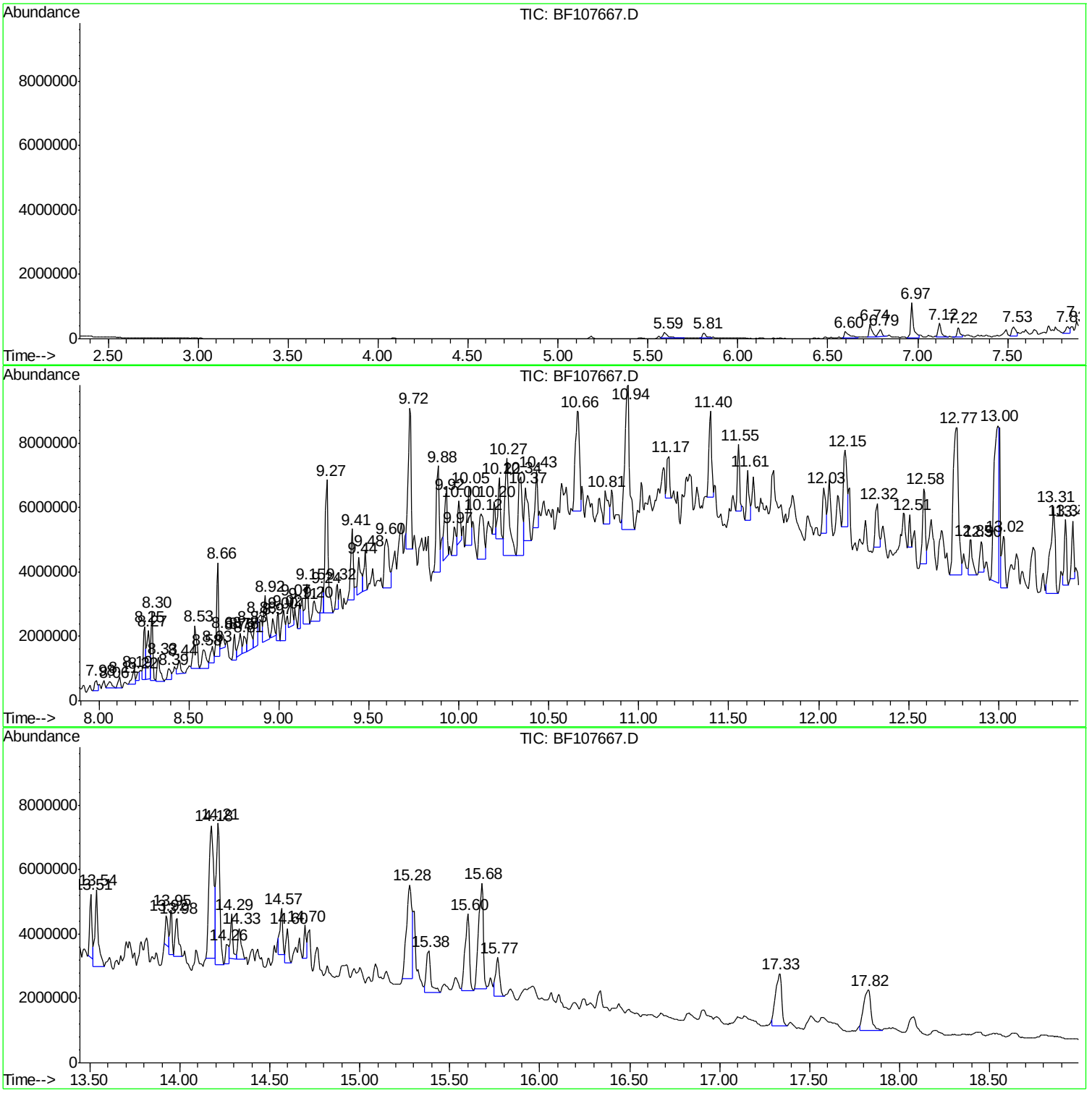
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

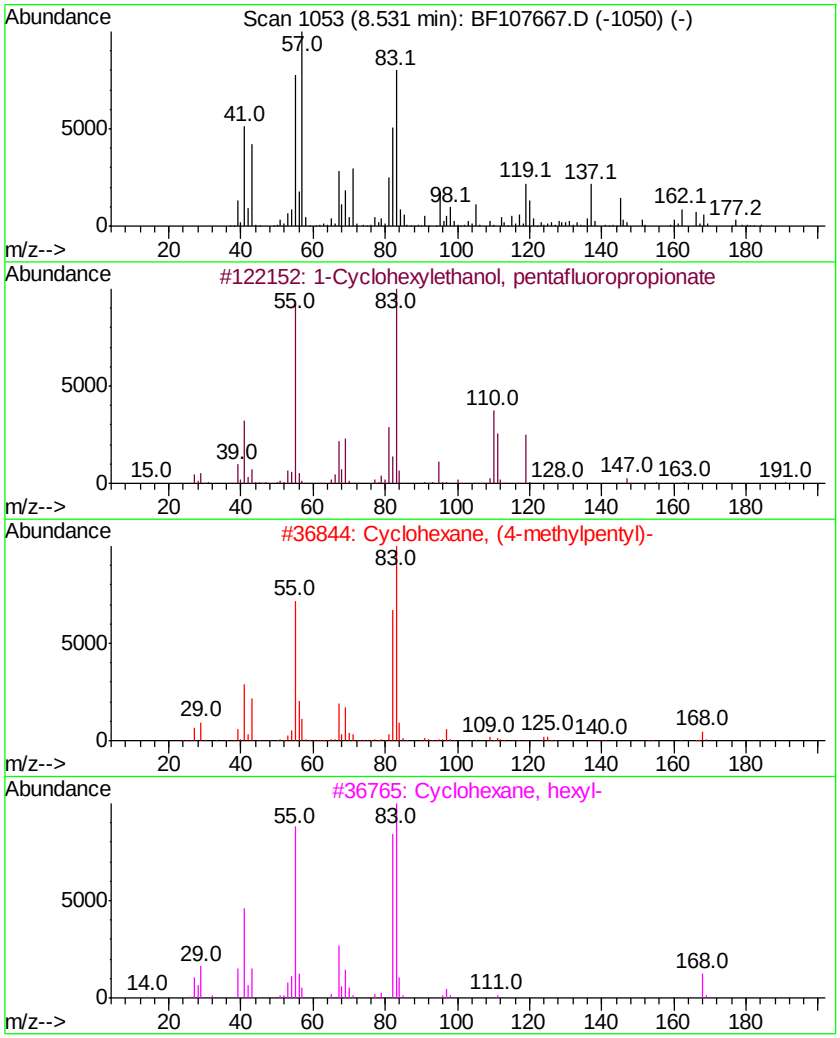
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

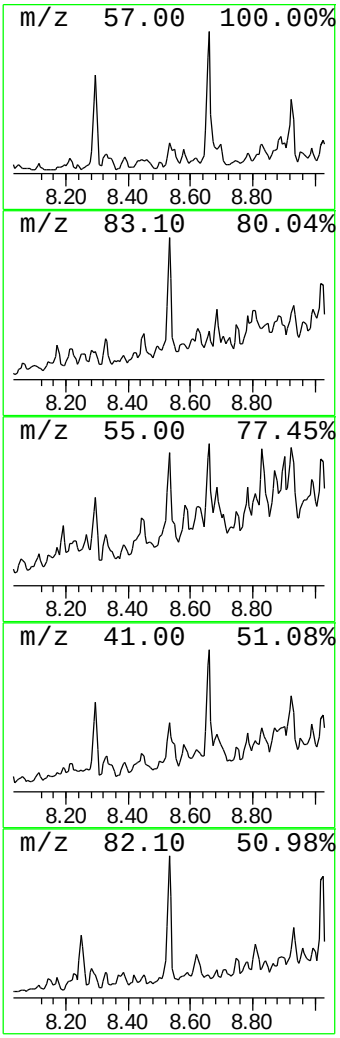
****

Peak Number 1 unknown8.53 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	22.12 ng	1800910	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	46
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4	Heptylcyclohexane	182	C13H26	005617-41-4	46
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

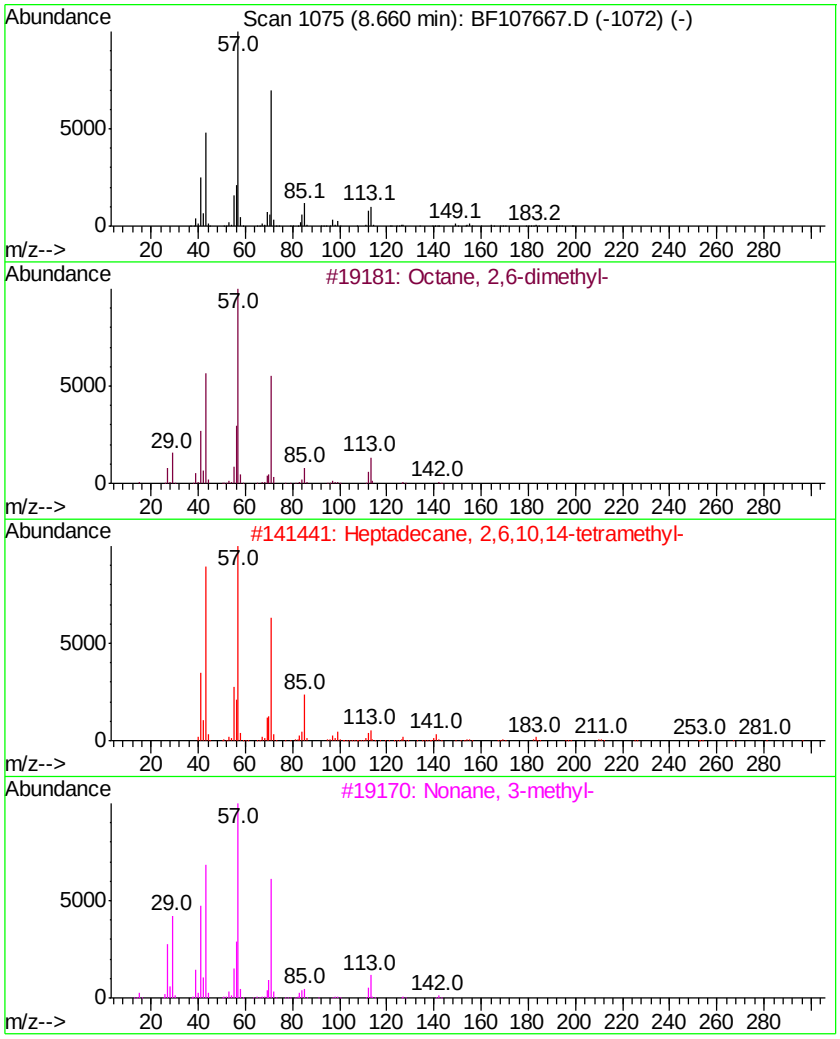
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

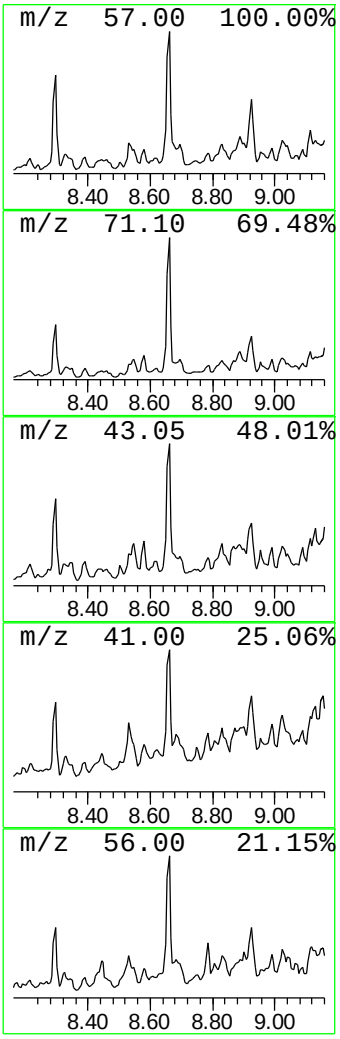
****

Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	29.94 ng	2437440	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	58
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

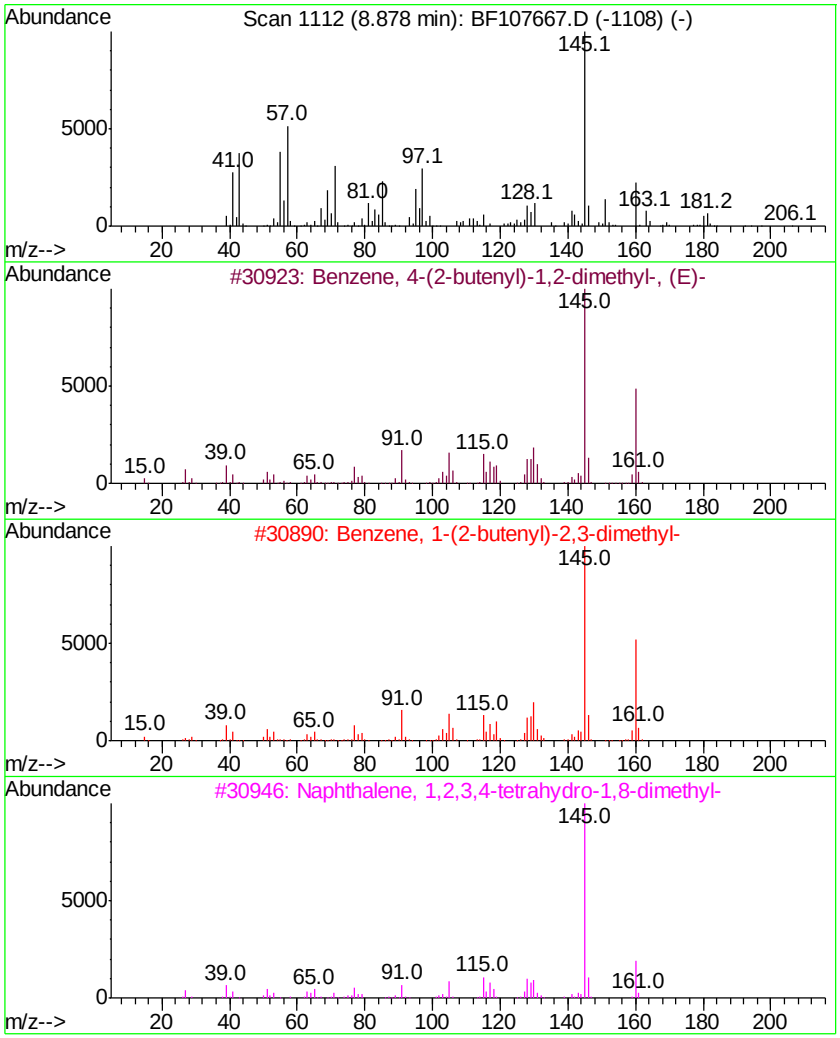
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

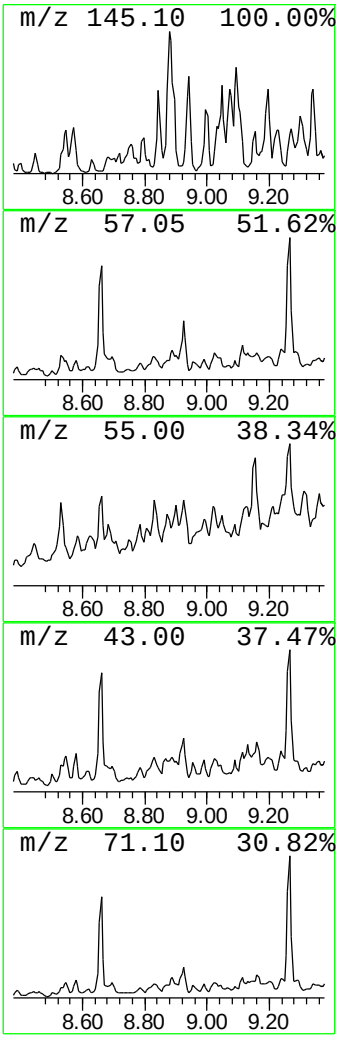
****

Peak Number 3 unknown8.88 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	17.09 ng	1391260	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	49
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	49
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	47
5	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

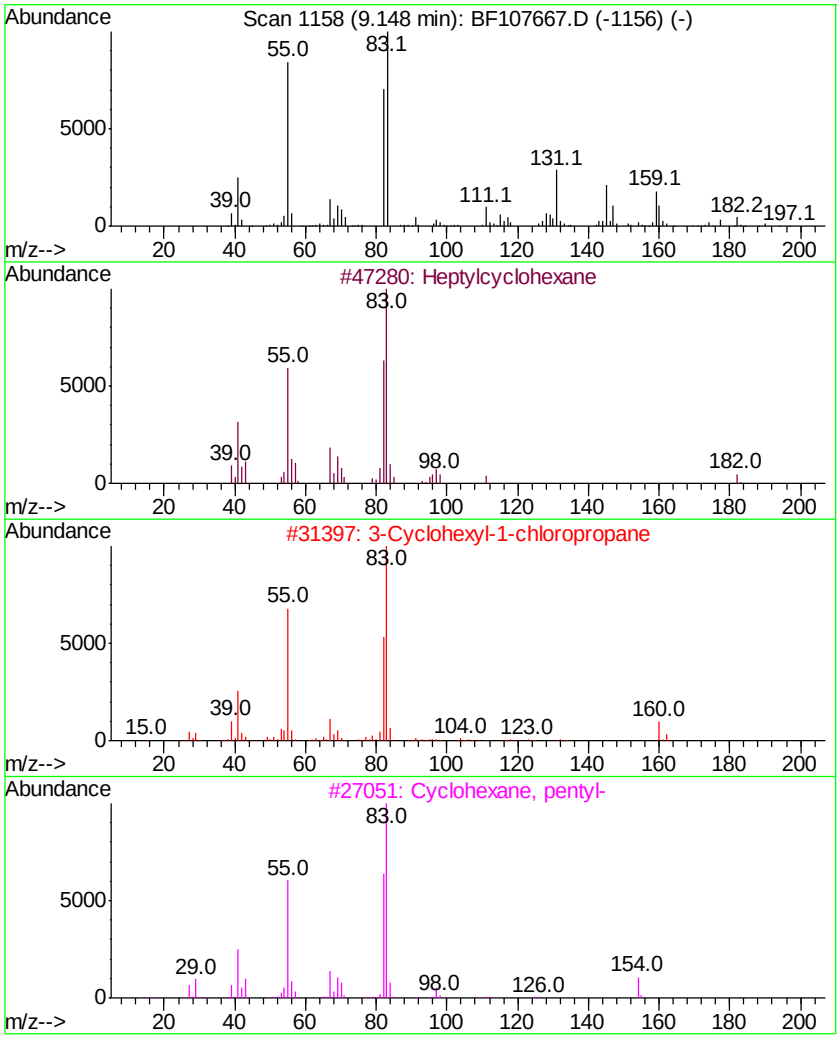
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

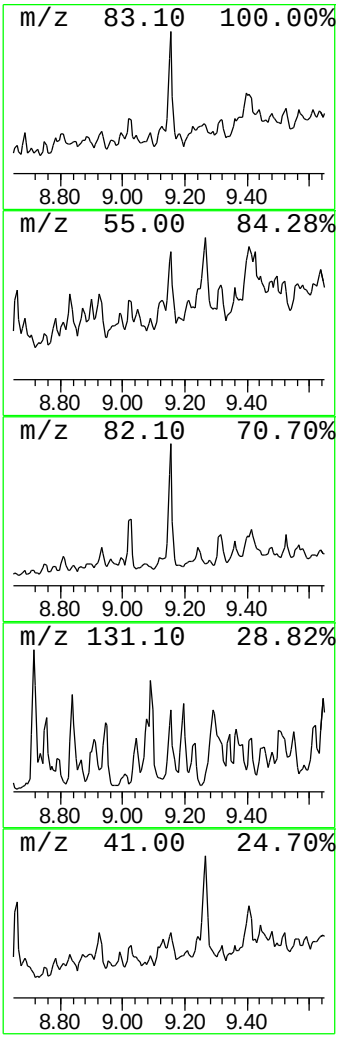
****

Peak Number 4 Heptylcyclohexane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	25.91 ng	1416970	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	52
2	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	50
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
4	Cyclohexane, decyl-	224	C16H32	001795-16-0	47
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

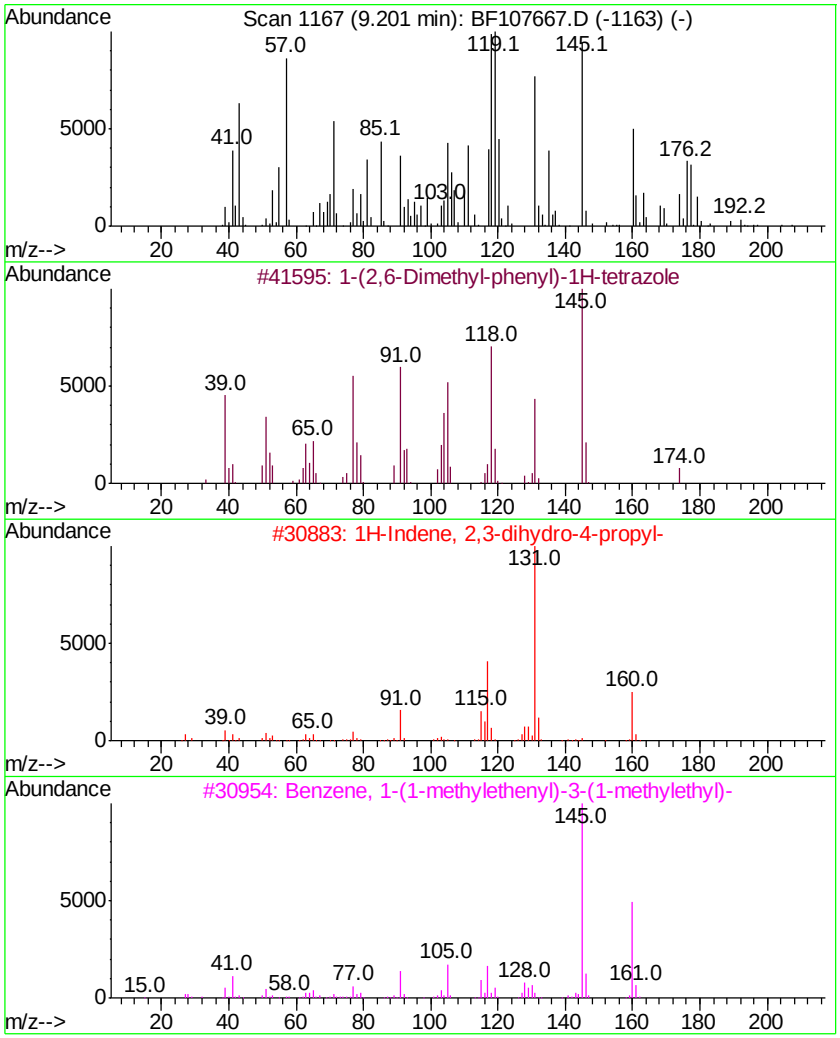
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

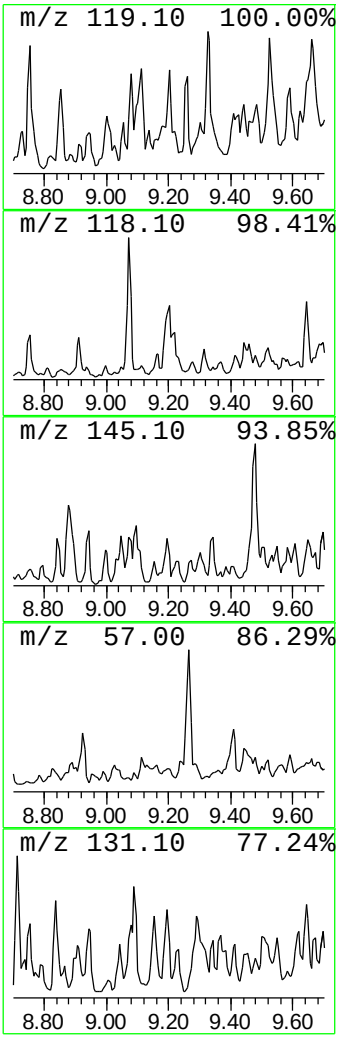
****

Peak Number 5 unknown9.20 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	19.91 ng	1088960	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2,6-Dimethyl-phenyl)-1H-tetra...	174	C9H10N4	1000300-00-2	38
2	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	38
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	25
4	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	25
5	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

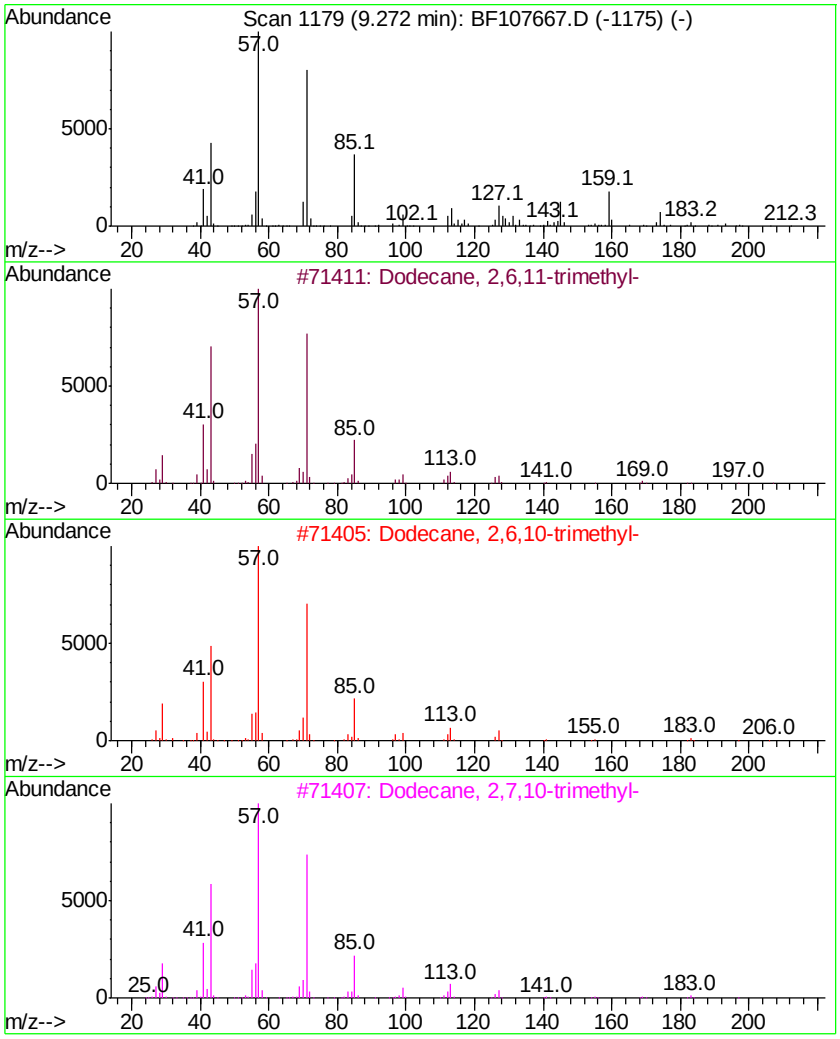
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

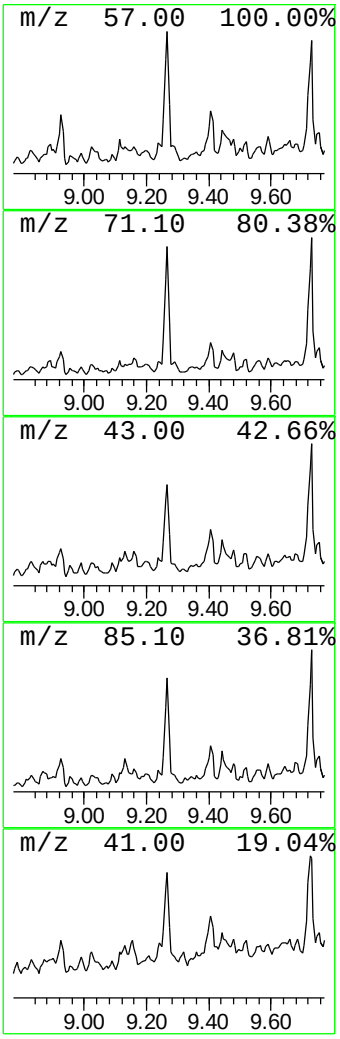
****

Peak Number 6 Dodecane, 2,6,11-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	77.34 ng	4230210	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

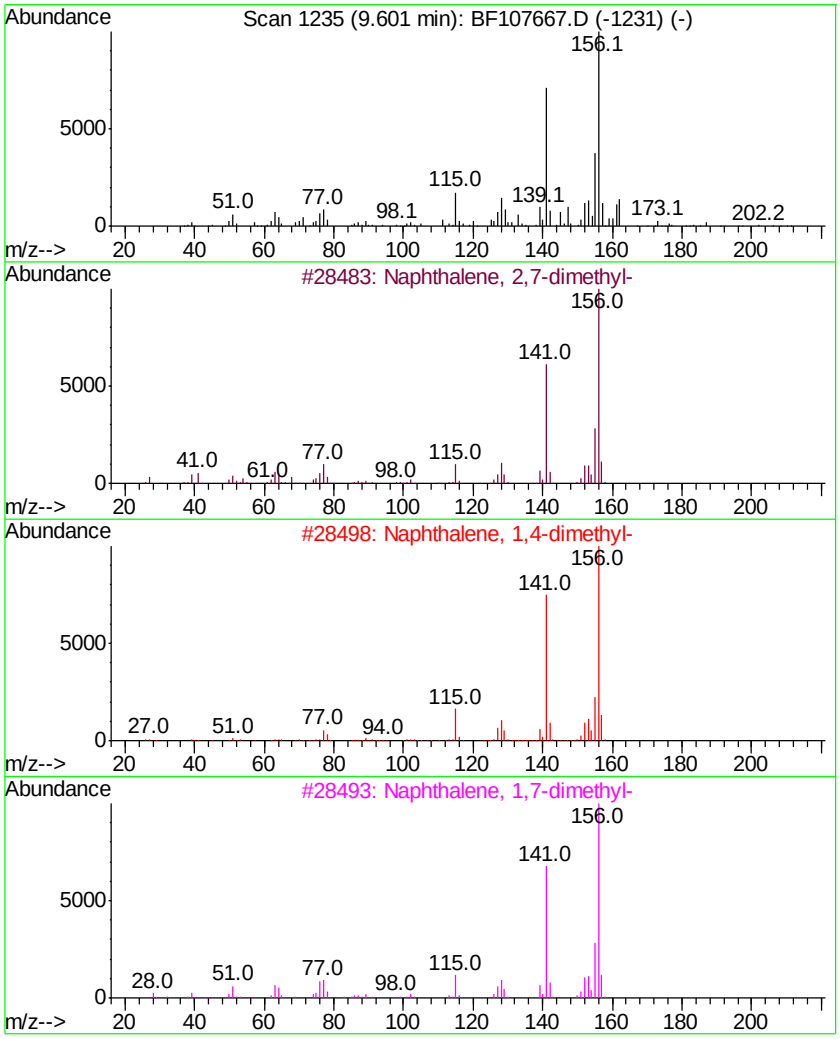
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

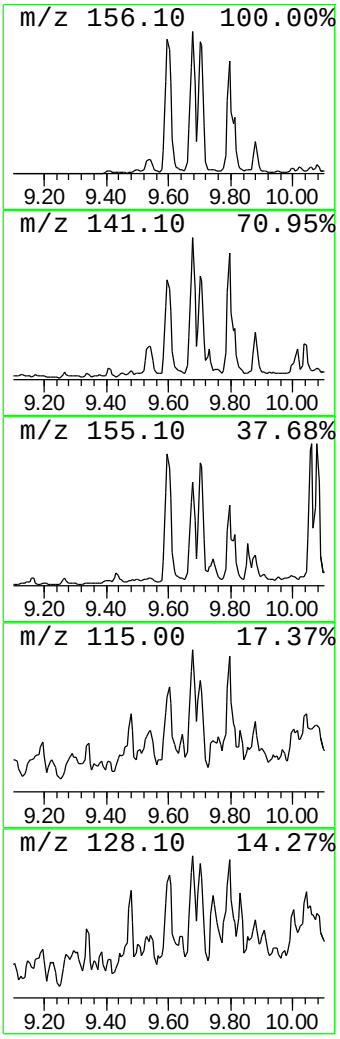
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	48.15 ng	2633650	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

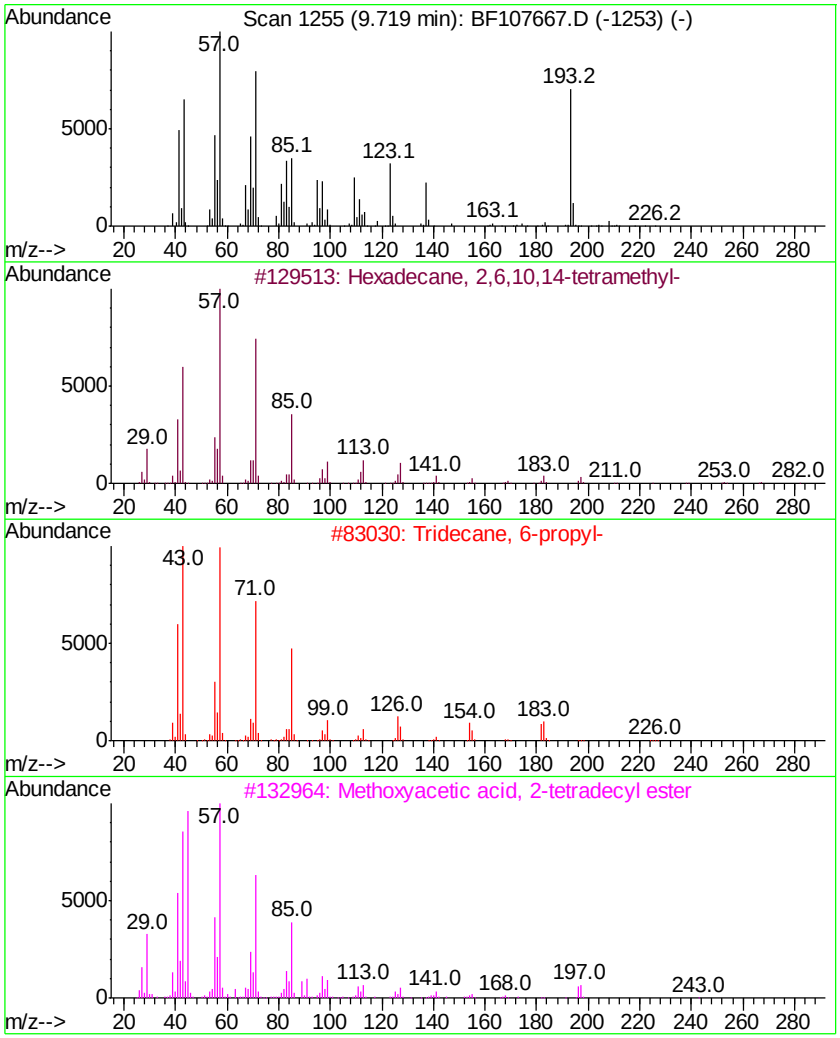
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

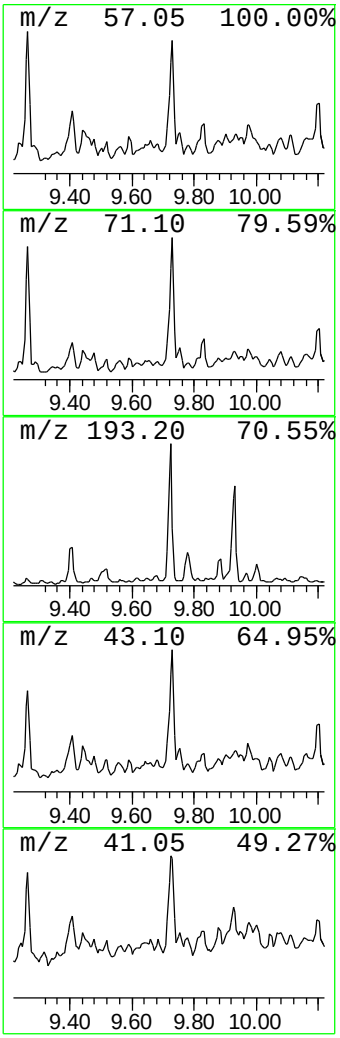
****

Peak Number 8 unknown9.72 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	88.63 ng	4847900	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	47
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	47
3	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	47
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	46
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

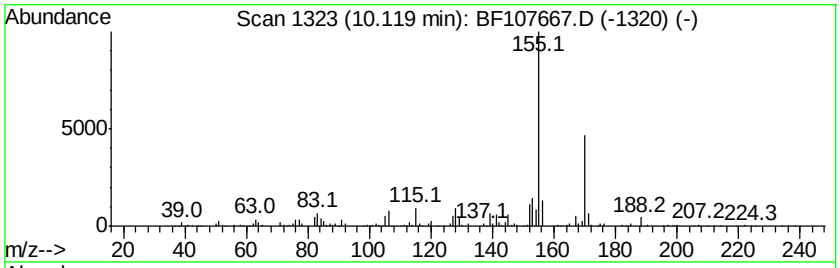
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

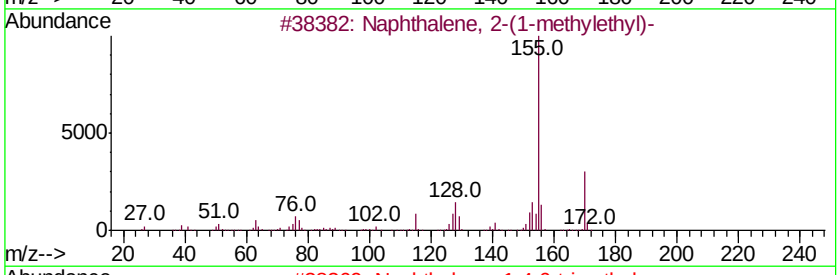
****

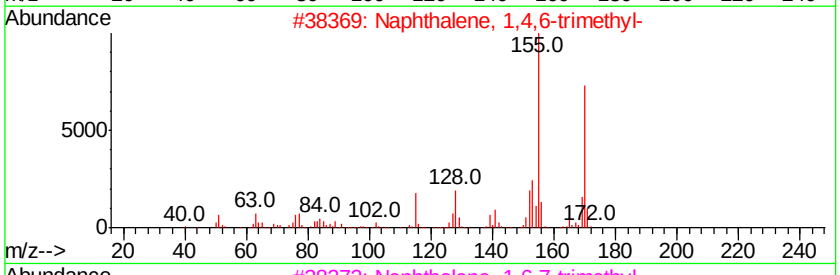
Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 7

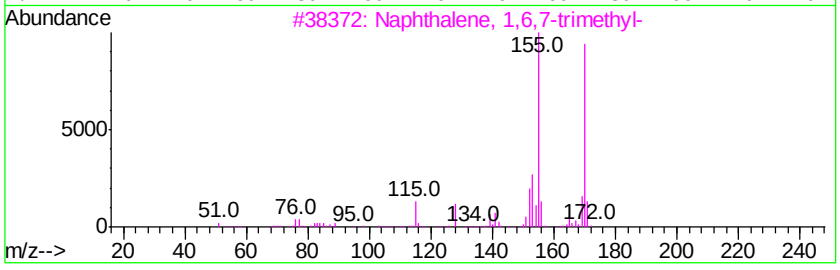
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	47.82 ng	2615710	Acenaphthene-d10	10.02

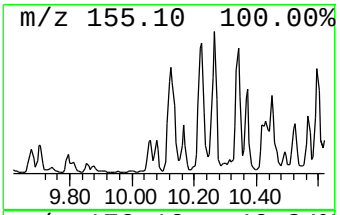
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72

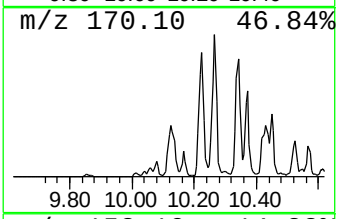


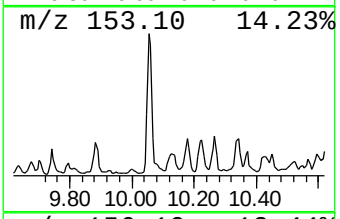


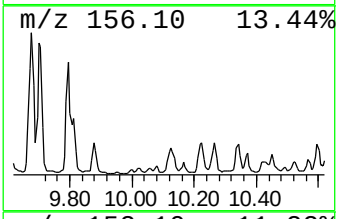


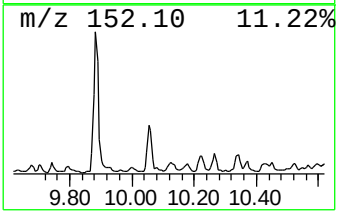












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

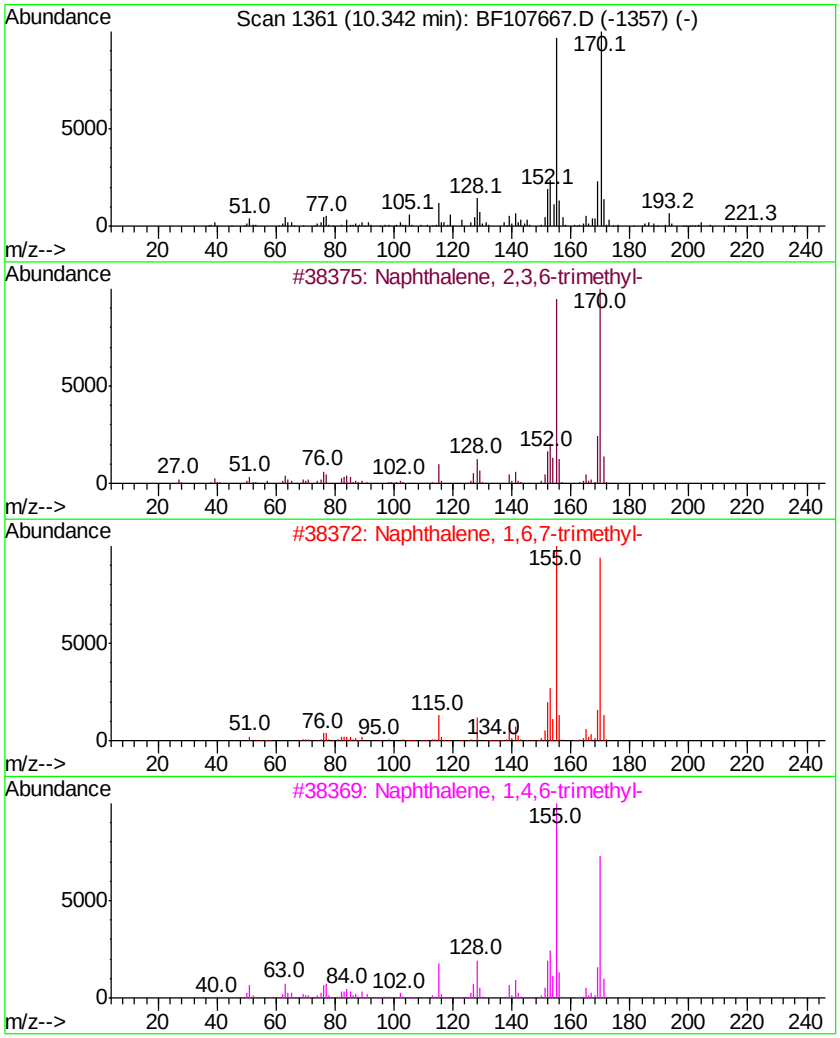
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

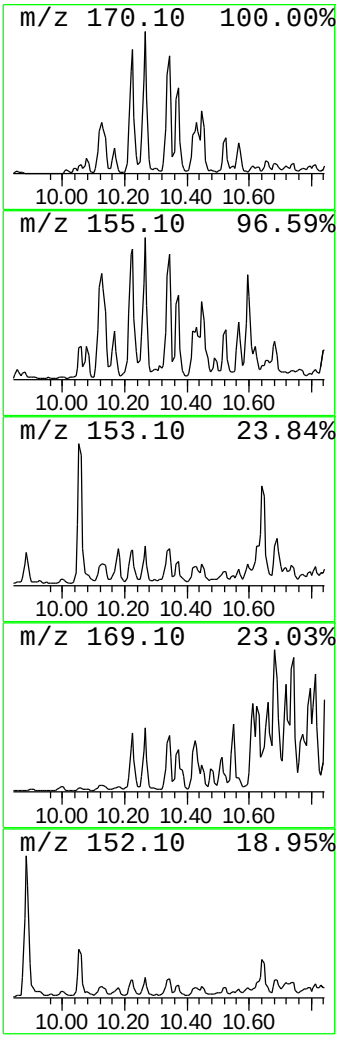
****

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	66.72 ng	3649530	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

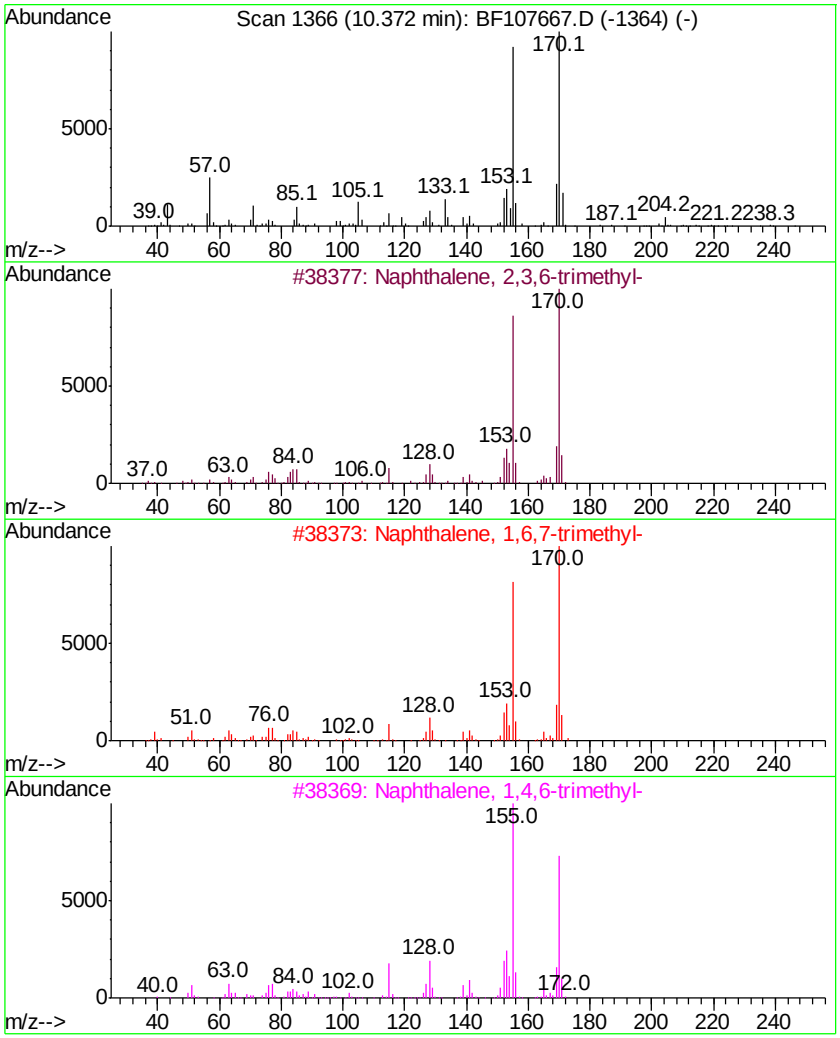
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

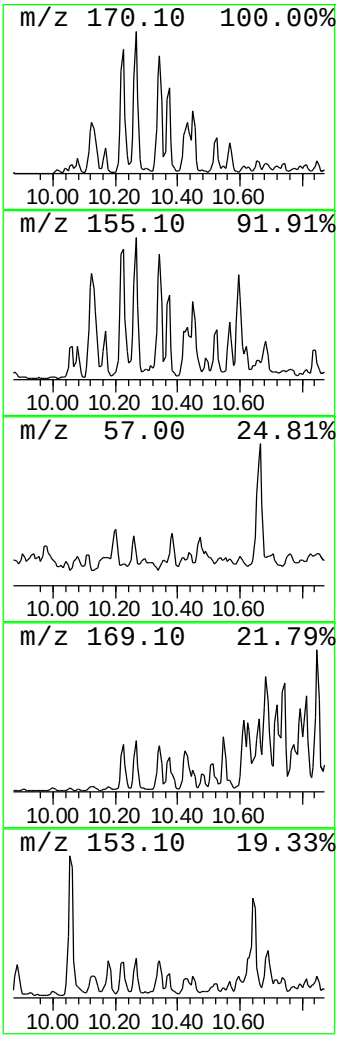
****

Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	40.99 ng	2242310	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

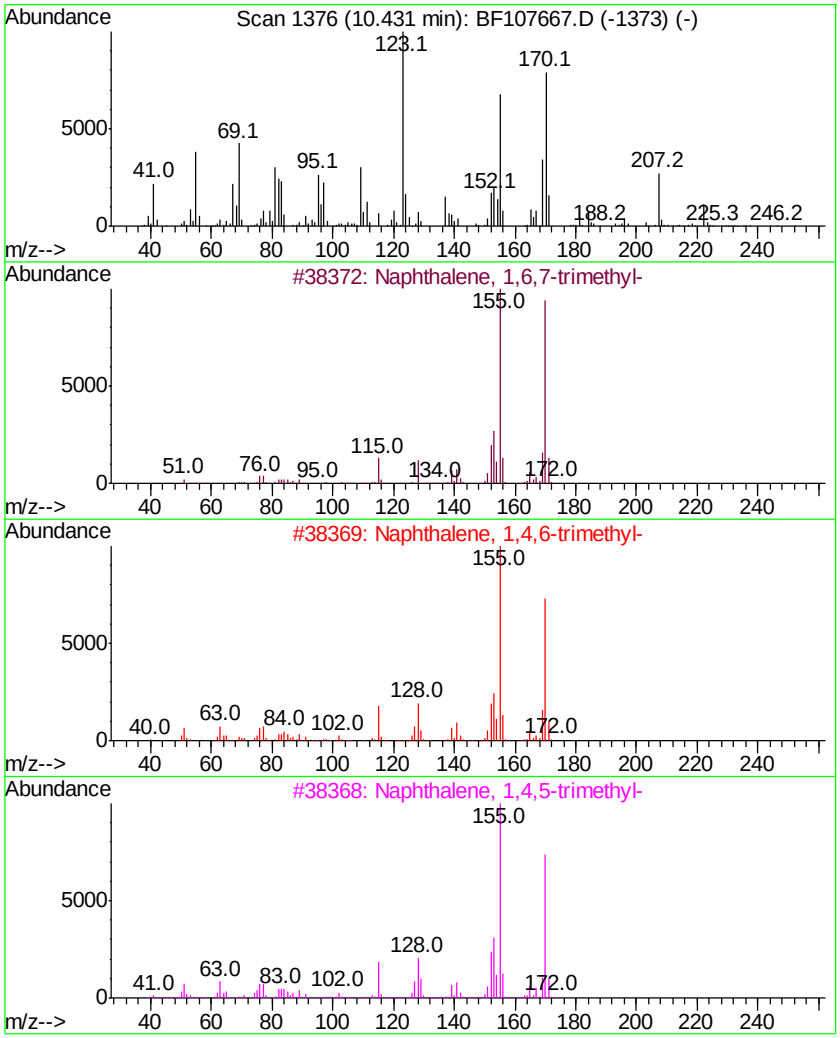
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

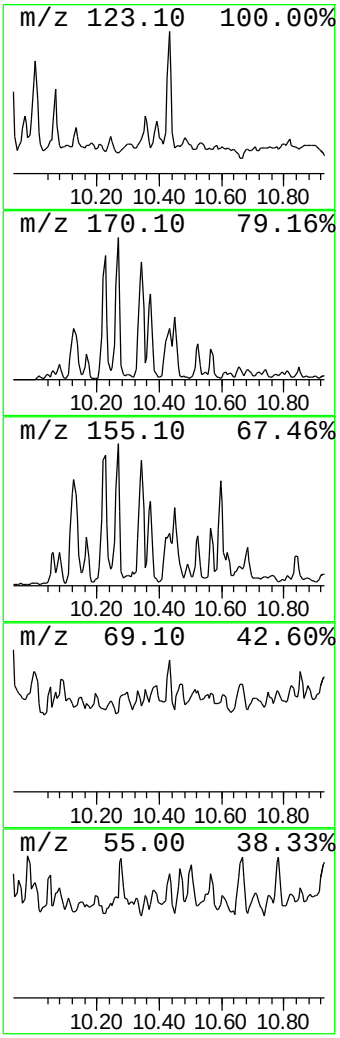
****

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	32.73 ng	1790310	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	46
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	46
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	41
5	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

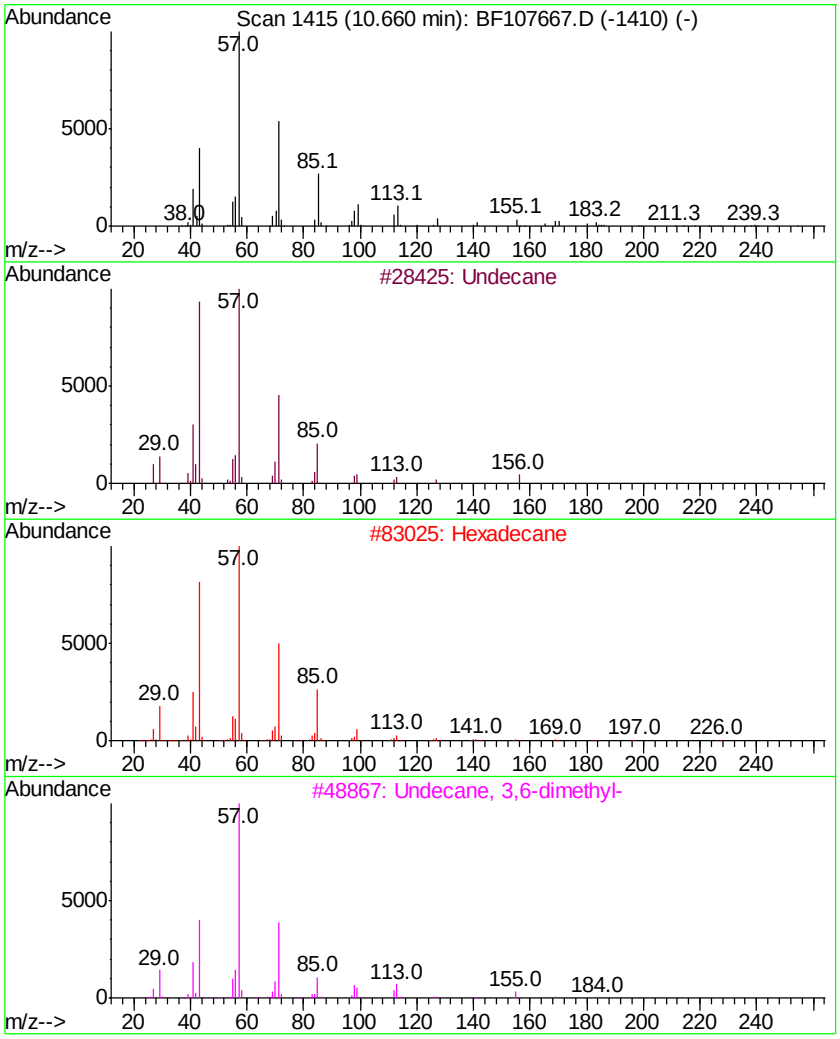
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

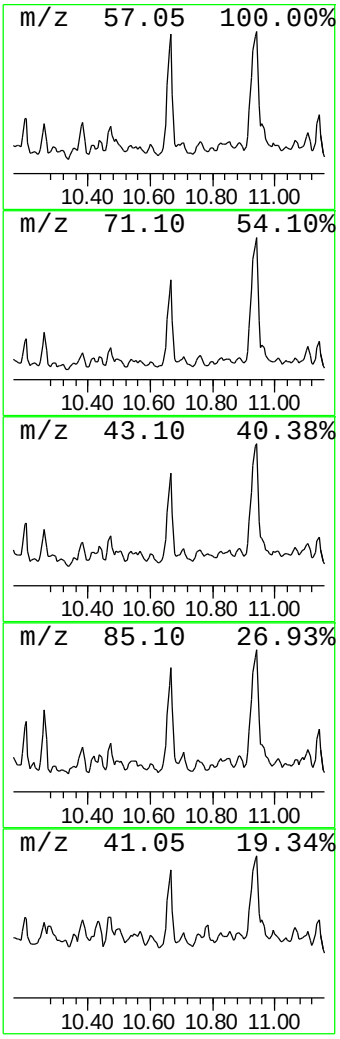
****

Peak Number 13 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	90.61 ng	4956070	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	80
2	Hexadecane	226	C16H34	000544-76-3	70
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	64
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

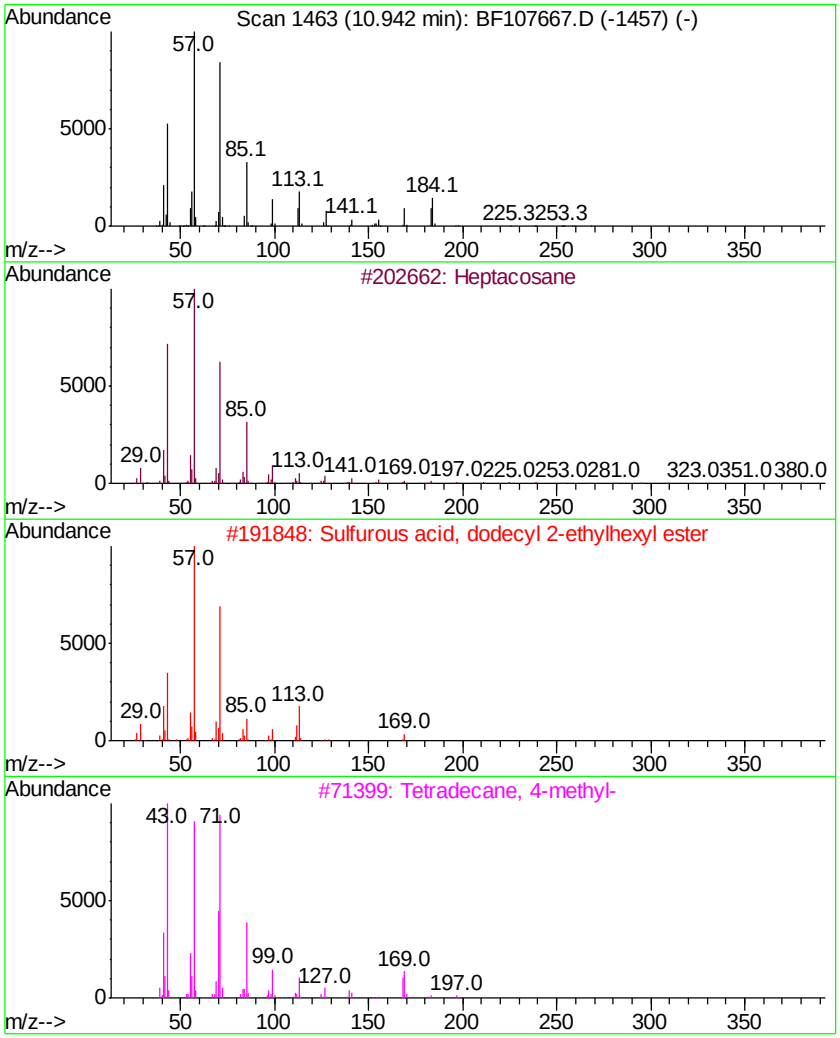
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

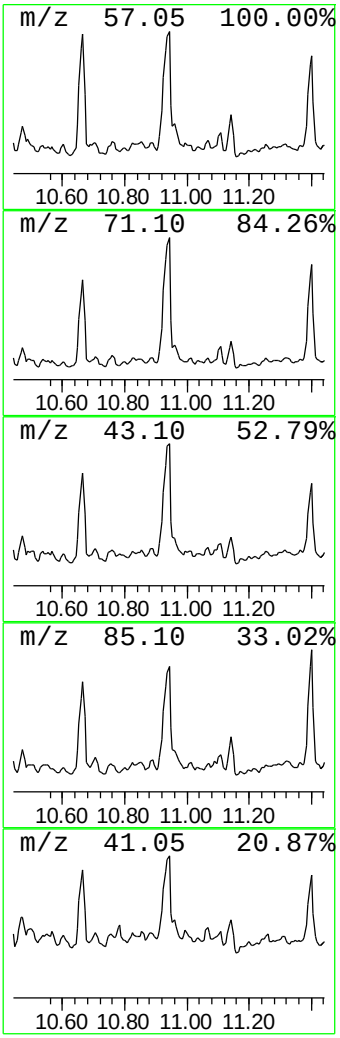
****

Peak Number 14 Heptacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	81.37 ng	8272860	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	64
2	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	59
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	53
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52
5	Undecane, 4-methyl-	170	C12H26	002980-69-0	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

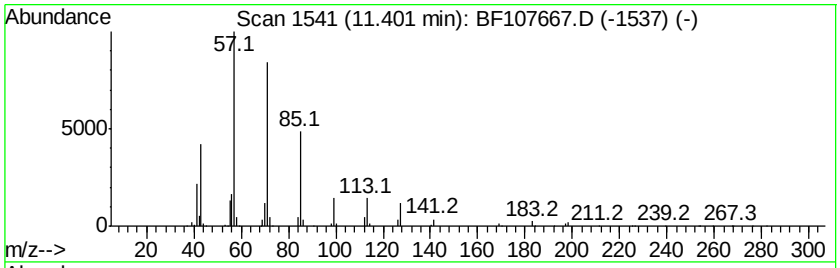
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

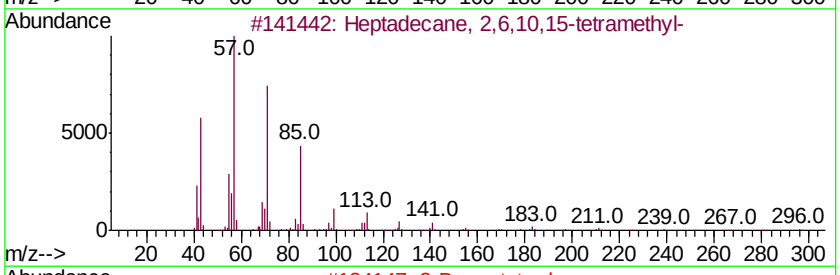
****

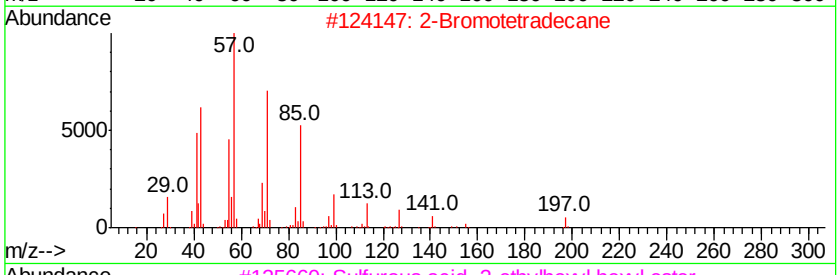
Peak Number 15 Heptadecane, 2,6,10,15-tetr... Concentration Rank 13

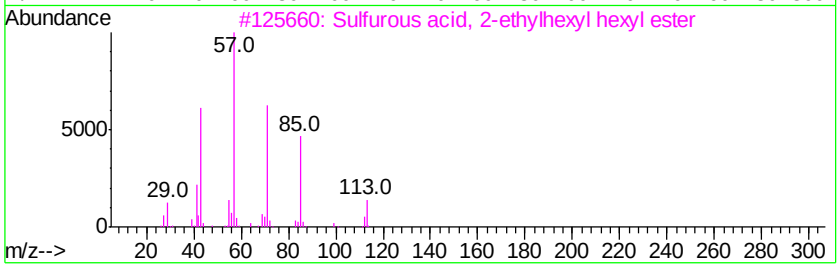
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	29.16 ng	2964260	Phenanthrene-d10	11.52

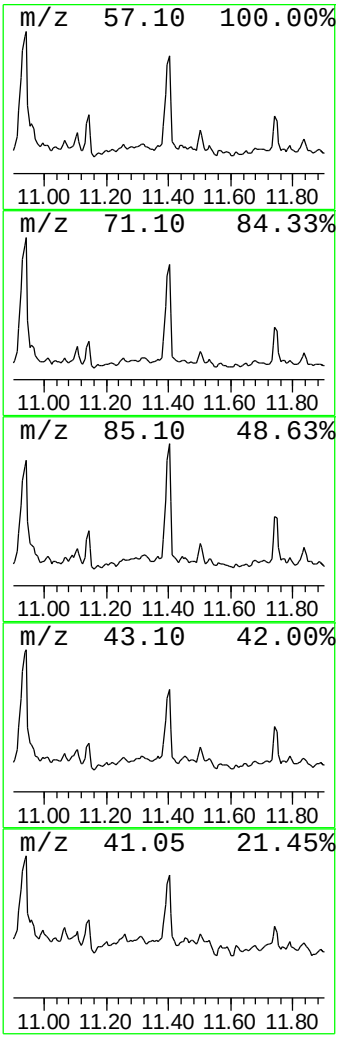
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	2-Bromotetradecane	276	C14H29Br	074036-95-6	90
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
4	Hexacosane	366	C26H54	000630-01-3	78
5	Heneicosane	296	C21H44	000629-94-7	78











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

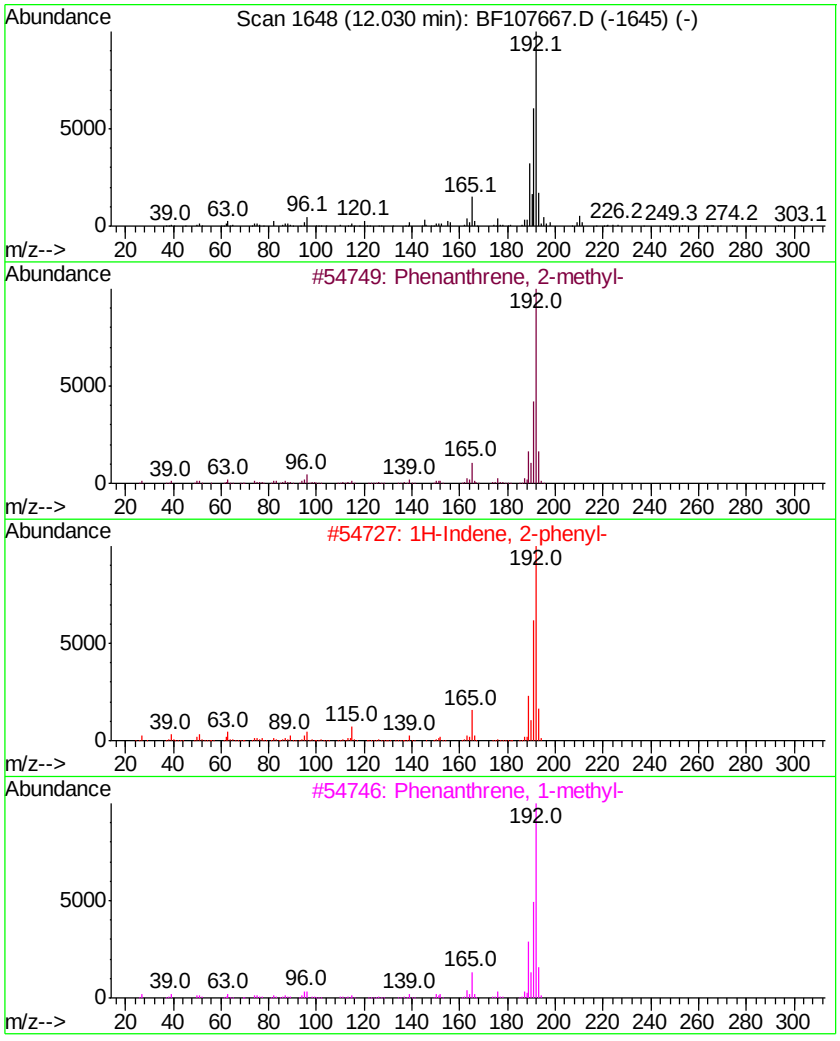
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

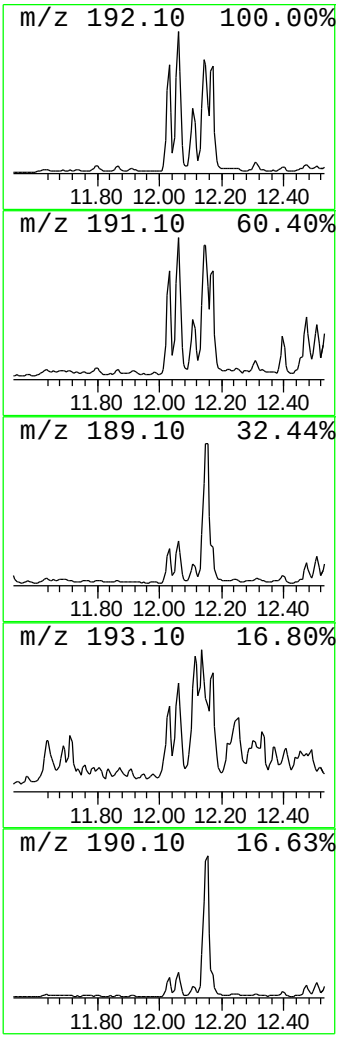
****

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	15.18 ng	1543080	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

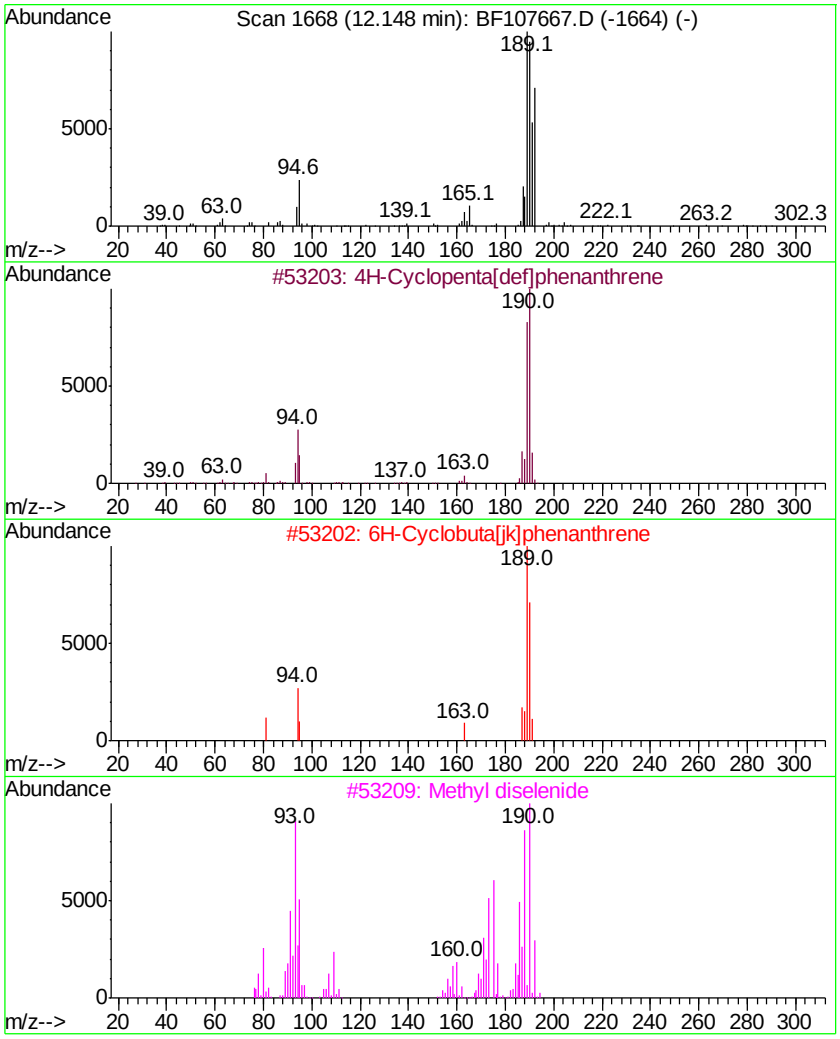
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

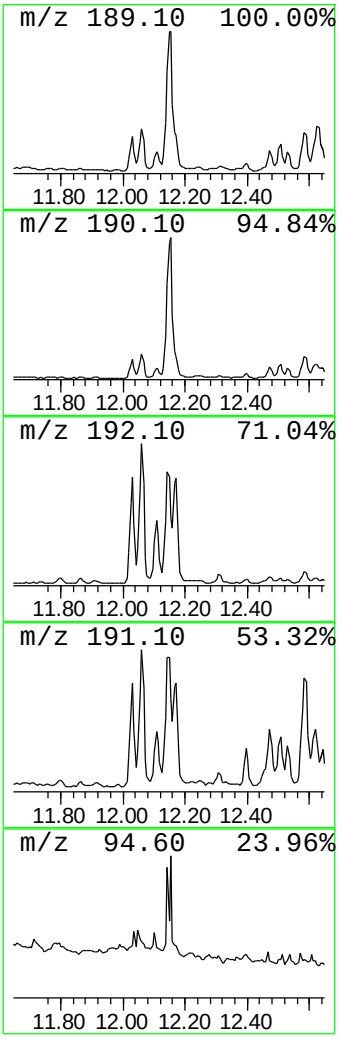
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	31.72 ng	3224800	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

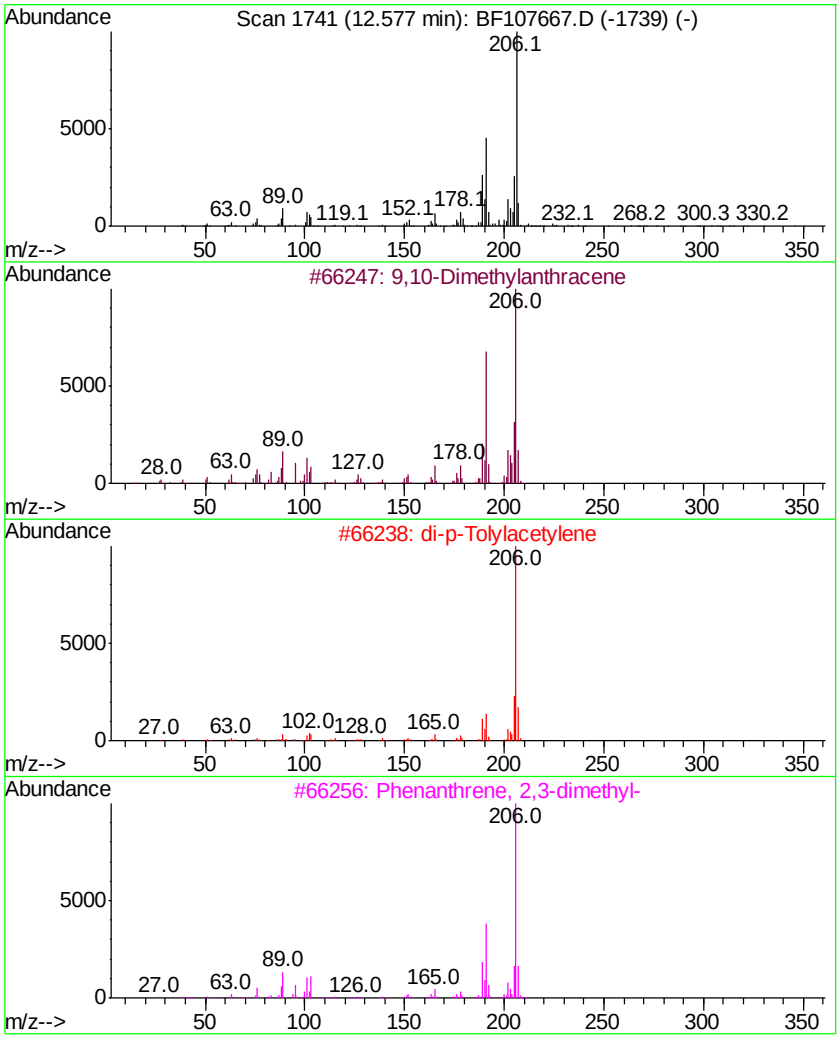
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

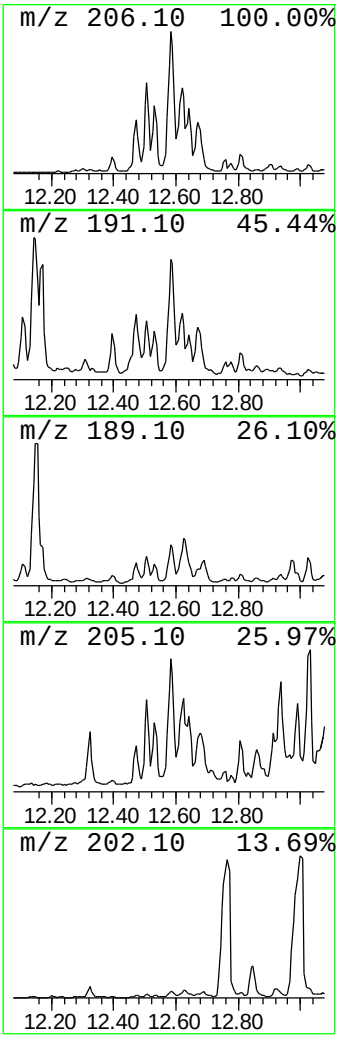
****

Peak Number 18 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	27.71 ng	2816870	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

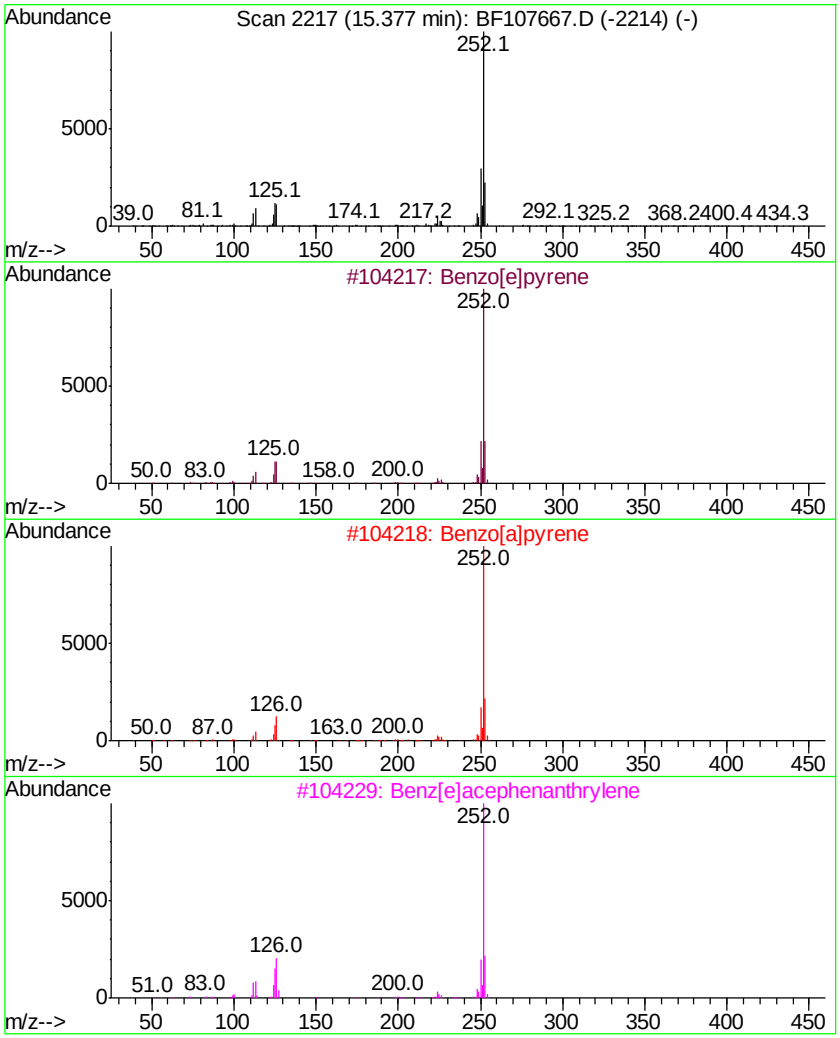
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

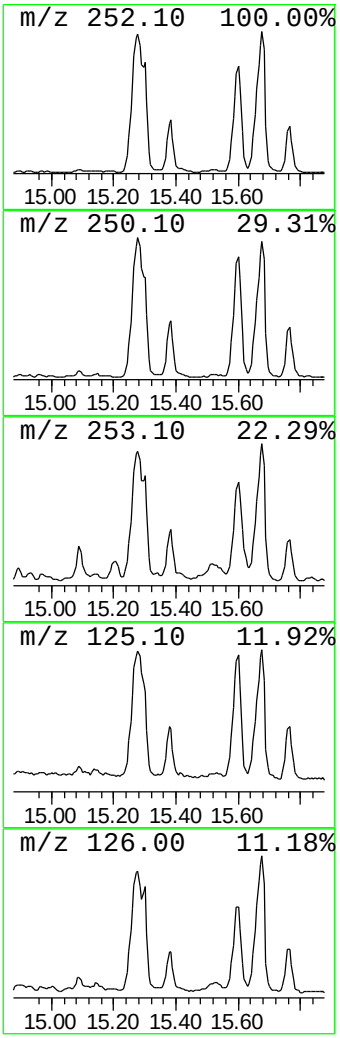
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	22.82 ng	2125070	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

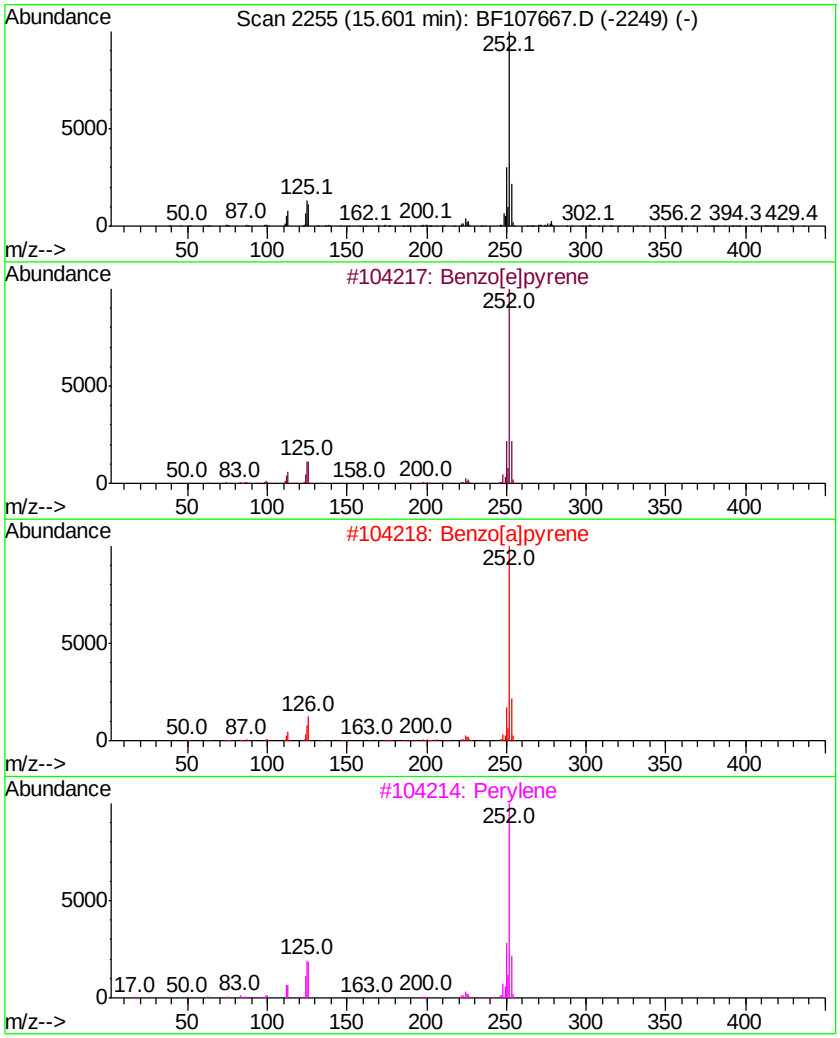
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

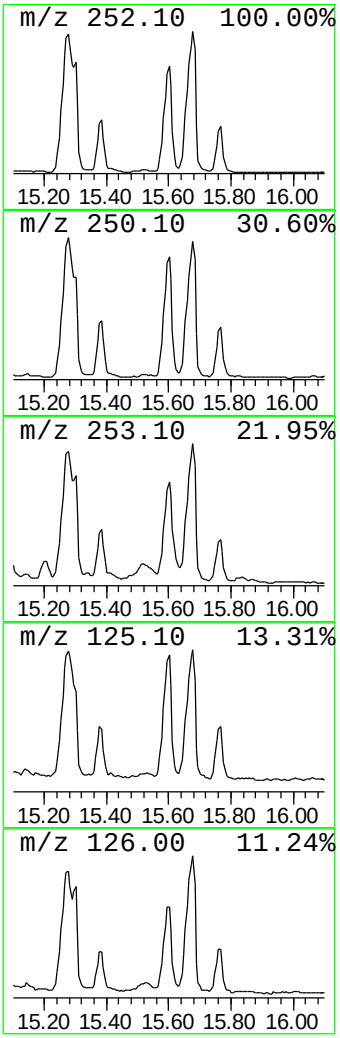
****

Peak Number 20 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	42.80 ng	3986860	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107667.D
Acq On : 25 Jul 2018 19:50
Operator : JU/SJ
Sample : J4031-02 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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
unknown8.53	8.53	22.1	ng	1800910	2	8.25	1628460	20.0
Octane, 2,6-dimet...	8.66	29.9	ng	2437440	2	8.25	1628460	20.0
unknown8.88	8.88	17.1	ng	1391260	2	8.25	1628460	20.0
Heptylcyclohexane	9.15	25.9	ng	1416970	3	10.02	1093970	20.0
unknown9.20	9.20	19.9	ng	1088960	3	10.02	1093970	20.0
Dodecane, 2,6,11-...	9.27	77.3	ng	4230210	3	10.02	1093970	20.0
Naphthalene, 2,7-...	9.60	48.1	ng	2633650	3	10.02	1093970	20.0
unknown9.72	9.72	88.6	ng	4847900	3	10.02	1093970	20.0
Naphthalene, 2-(1...	10.12	47.8	ng	2615710	3	10.02	1093970	20.0
Naphthalene, 2,3,...	10.34	66.7	ng	3649530	3	10.02	1093970	20.0
Naphthalene, 1,4,...	10.37	41.0	ng	2242310	3	10.02	1093970	20.0
Naphthalene, 1,6,...	10.43	32.7	ng	1790310	3	10.02	1093970	20.0
Undecane	10.66	90.6	ng	4956070	3	10.02	1093970	20.0
Heptacosane	10.94	81.4	ng	8272860	4	11.52	2033270	20.0
Heptadecane, 2,6,...	11.40	29.2	ng	2964260	4	11.52	2033270	20.0
Phenanthrene, 2-m...	12.03	15.2	ng	1543080	4	11.52	2033270	20.0
4H-Cyclopenta[def...	12.15	31.7	ng	3224800	4	11.52	2033270	20.0
9,10-Dimethylanth...	12.58	27.7	ng	2816870	4	11.52	2033270	20.0
Benzo[e]pyrene	15.38	22.8	ng	2125070	6	15.72	1862840	20.0
Perylene	15.60	42.8	ng	3986860	6	15.72	1862840	20.0