LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

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-BF121418.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	5.004	493	496	504	rVB	164283	199310	4.78%	0.364%
2	5.422	562	567	570	rBV	3943523	3637202	87.30%	6.634%
3	5.628	598	602	610	rBV	238565	280337	6.73%	0.511%
4	6.351	722	725	728	rVB	80179	64535	1.55%	0.118%
5	6.440	735	740	746	rBV	3967361	4166125	100.00%	7.599%
6	6.569	757	762	765	rBV	4445912	3894123	93.47%	7.103%
7	6.634	768	773	777	rVV	298049	375770	9.02%	0.685%
8	6.669	777	779	785	rVB	157148	164088	3.94%	0.299%
9	6.792	797	800	808	rBV	1333771	1053372	25.28%	1.921%
10	6.951	823	827	830	rBV	3681369	2997948	71.96%	5.468%
11	7.057	841	845	853	rBV	441574	507757	12.19%	0.926%
12	7.351	889	895	901	rBV	2405417	2582340	61.98%	4.710%
13	7.410	901	905	910	rVV2	87152	142215	3.41%	0.259%
14	7.457	910	913	919	rVB	77422	78828	1.89%	0.144%
15	7.569	926	932	934	rBV3	39233	48943	1.17%	0.089%
16	7.651	940	946	956	rBV	841135	845890	20.30%	1.543%
17	7.828	970	976	979	rBV2	111202	133410	3.20%	0.243%
18	7.875	982	984	988	rVB	148828	125941	3.02%	0.230%
19	8.075	1014	1018	1020	rBV	1648991	1384944	33.24%	2.526%
20	8.098	1020	1022	1025	rVB	457695	375391	9.01%	0.685%
21	8.292	1051	1055	1058	rBV	747360	606983	14.57%	1.107%
22	8.351	1061	1065	1078	rVV	789889	705849	16.94%	1.288%
23	8.781	1134	1138	1145	rBV2	527703	579225	13.90%	1.057%
24	8.851	1146	1150	1153	rVV	179028	160611	3.86%	0.293%
25	8.886	1153	1156	1159	rVB2	186331	166626	4.00%	0.304%
26	8.963	1165	1169	1171	rBV	132010	124493	2.99%	0.227%
27	9.069	1184	1187	1191	rVB	202872	162085	3.89%	0.296%
28	9.122	1191	1196	1197	rBV3	49175	47399	1.14%	0.086%
29	9.151	1197	1201	1204	rBV	4780621	4158759	99.82%	7.586%
30	9.275	1220	1222	1225	rBV	260512	226167	5.43%	0.413%
31	9.304	1225	1227	1232	rVB	85813	78005	1.87%	0.142%
32	9.363	1232	1237	1239	rVB2	39053	53226	1.28%	0.097%
33	9.392	1239	1242	1244	rBV	44941	47427	1.14%	0.087%
34	9.486	1255	1258	1261	rBV2	68590	71991	1.73%	0.131%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.539	1264	1267	1273	rVB	352647	364437	8.75%	0.665%
36	9.686	1288	1292	1298	rBV	135367	143756	3.45%	0.262%
37	9.769	1303	1306	1308	rBV	123594	107033	2.57%	0.195%
38	9.798	1308	1311	1313	rVV	71710	98359	2.36%	0.179%
39	9.828	1313	1316	1319	rVV2	1627672	1447946	34.76%	2.641%
40	9.857	1319	1321	1330	rVB	165627	192124	4.61%	0.350%
41	10.033	1348	1351	1355	rVB	64278	55277	1.33%	0.101%
42	10.375	1406	1409	1416	rVB	153357	146788	3.52%	0.268%
43	10.439	1416	1420	1422	rBV4	30903	46843	1.12%	0.085%
44	10.616	1446	1450	1457	rBV	2163109	1907650	45.79%	3.480%
45	10.739	1469	1471	1478	rVB5	65091	71404	1.71%	0.130%
46	10.922	1498	1502	1505	rBV4	34763	51079	1.23%	0.093%
47	11.116	1532	1535	1539	rVB3	60977	75491	1.81%	0.138%
48	11.169	1541	1544	1546	rVV2	47715	60699	1.46%	0.111%
49	11.210	1549	1551	1556	rVB2	74845	79975	1.92%	0.146%
50	11.310	1565	1568	1570	rBV	1206121	1120570	26.90%	2.044%
51	11.333	1570	1572	1576	rVV	1073543	946715	22.72%	1.727%
52	11.386	1578	1581	1585	rVV	309581	262708	6.31%	0.479%
53	11.422	1585	1587	1592	rVV4	39082	49854	1.20%	0.091%
54	11.610	1616	1619	1622	rBV2	59595	49081	1.18%	0.090%
55	11.816	1650	1654	1656	rBV	180260	183435	4.40%	0.335%
56	11.845	1656	1659	1664	rVV2	862597	1011686	24.28%	1.845%
57	11.886	1664	1666	1669	rVV	130520	140143	3.36%	0.256%
58	11.927	1669	1673	1675	rVV	291985	350086	8.40%	0.639%
59	11.945	1675	1676	1680	rVB	126570	103505	2.48%	0.189%
60	12.110	1701	1704	1706	rBV	148873	126695	3.04%	0.231%
61	12.369	1745	1748	1751	rBV	101374	102675	2.46%	0.187%
62	12.404	1752	1754	1759	rVB5	79954	100896	2.42%	0.184%
63	12.451	1759	1762	1767	rBV4	62319	80198	1.93%	0.146%
64	12.527	1771	1775	1778	rBV	1332071	1133557	27.21%	2.068%
65	12.633	1788	1793	1798	rBV3	612006	737116	17.69%	1.345%
66	12.751	1808	1813	1816	rBV	1295284	1428300	34.28%	2.605%
67	12.804	1820	1822	1827	rVB2	99885	105624	2.54%	0.193%
68	12.898	1834	1838	1841	rBV	2939891	2473197	59.36%	4.511%
69	12.974	1848	1851	1854	rVB2	81418	100094	2.40%	0.183%
70	13.057	1863	1865	1866	rBV2	61118	54852	1.32%	0.100%
71	13.080	1867	1869	1872	rVB2	217454	179783	4.32%	0.328%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.145	1878	1880	1883	rVB	182551	161667	3.88%	0.295%
73	13.186	1884	1887	1889	rBV	148323	139192	3.34%	0.254%
74	13.274	1900	1902	1905	rBV	94614	81880	1.97%	0.149%
75	13.310	1905	1908	1912	rVB	112840	101117	2.43%	0.184%
76	13.727	1977	1979	1981	rBV	121806	86369	2.07%	0.158%
77	13.751	1981	1983	1987	rVV2	116025	107261	2.57%	0.196%
78	13.804	1990	1992	1998	rVB2	157473	219336	5.26%	0.400%
79	13.951	2012	2017	2019	rBV2	1276613	1777311	42.66%	3.242%
80	13.974	2019	2021	2027	rVB	788717	733440	17.60%	1.338%
81	14.057	2032	2035	2039	rVB	306624	244932	5.88%	0.447%
82	14.339	2080	2083	2086	rVB	152020	142791	3.43%	0.260%
83	14.368	2086	2088	2092	rVB2	96149	88678	2.13%	0.162%
84	14.427	2096	2098	2101	rVV3	147001	148142	3.56%	0.270%
85	14.463	2101	2104	2105	rVV	108547	107097	2.57%	0.195%
86	14.486	2105	2108	2111	rVB	157347	162962	3.91%	0.297%
87	14.980	2187	2192	2201	rBV	664444	1334844	32.04%	2.435%
88	15.080	2207	2209	2213	rVB	171677	153651	3.69%	0.280%
89	15.268	2238	2241	2247	rVB	420177	541342	12.99%	0.987%
90	15.333	2247	2252	2258	rBV	722109	872706	20.95%	1.592%
91	15.392	2258	2262	2265	rBV2	679834	855333	20.53%	1.560%
92	16.809	2498	2503	2514	rVB2	239929	451067	10.83%	0.823%
93	17.233	2570	2575	2586	rVB	171852	374738	8.99%	0.684%

Sum of corrected areas: 54822802

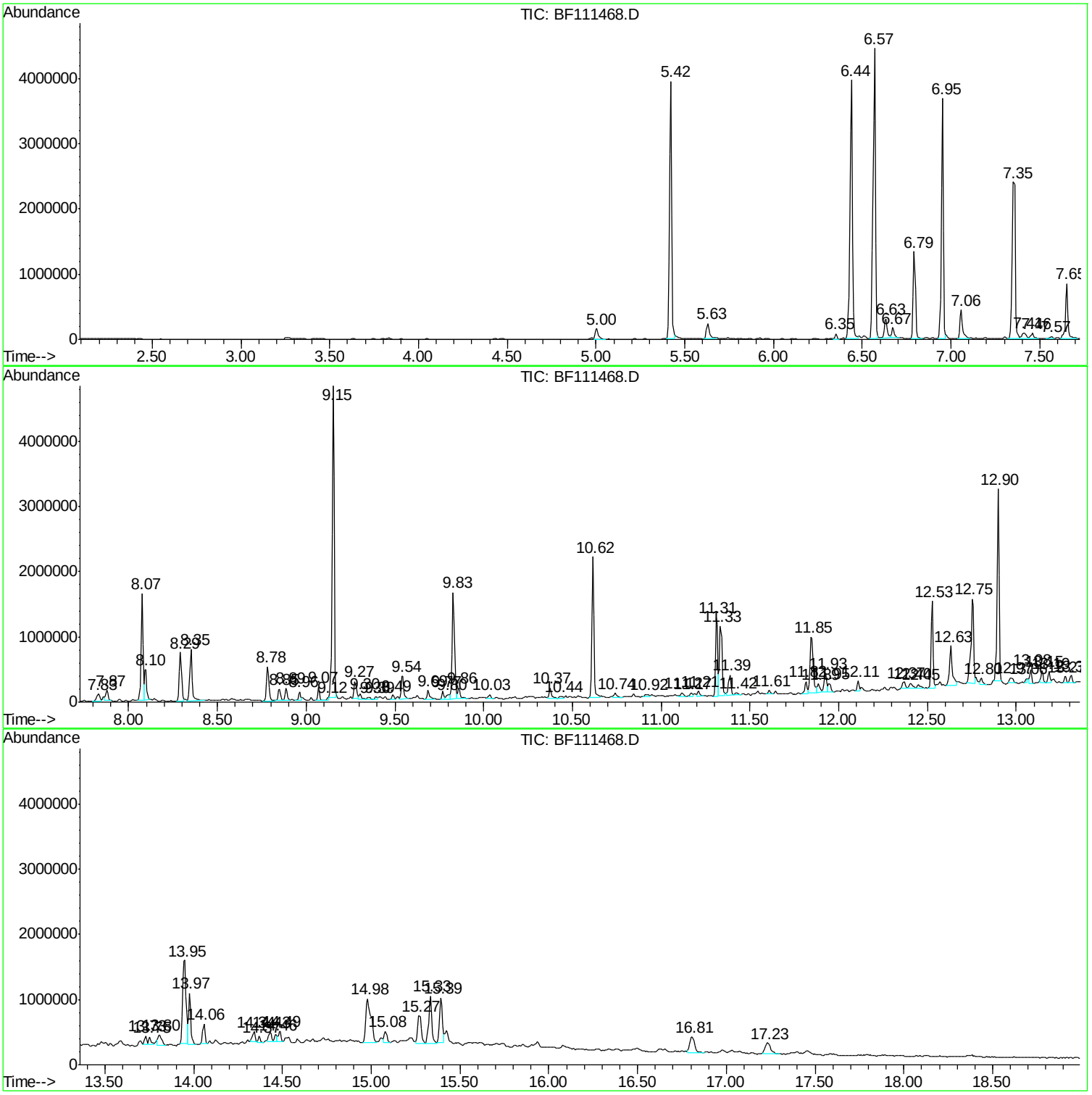
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

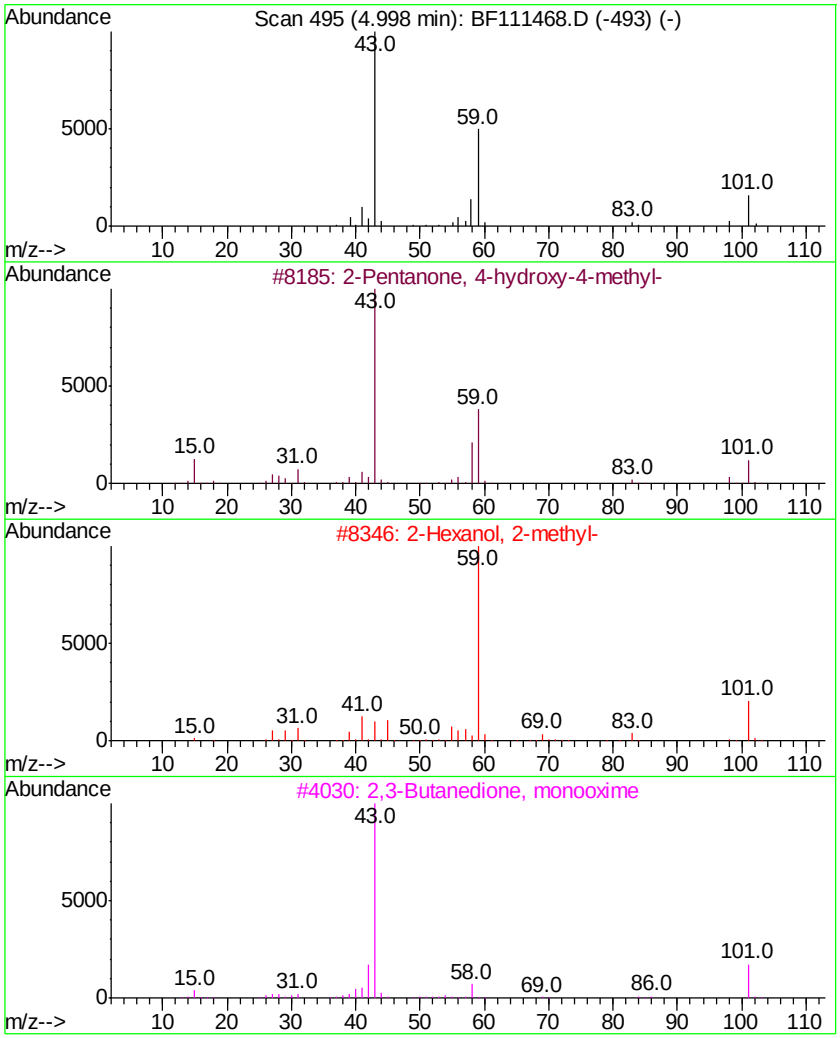
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

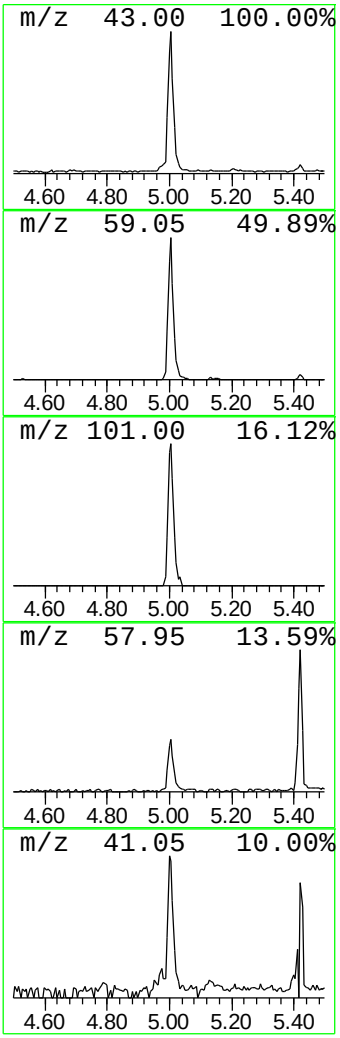
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	3.78 ng	199310	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	9
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

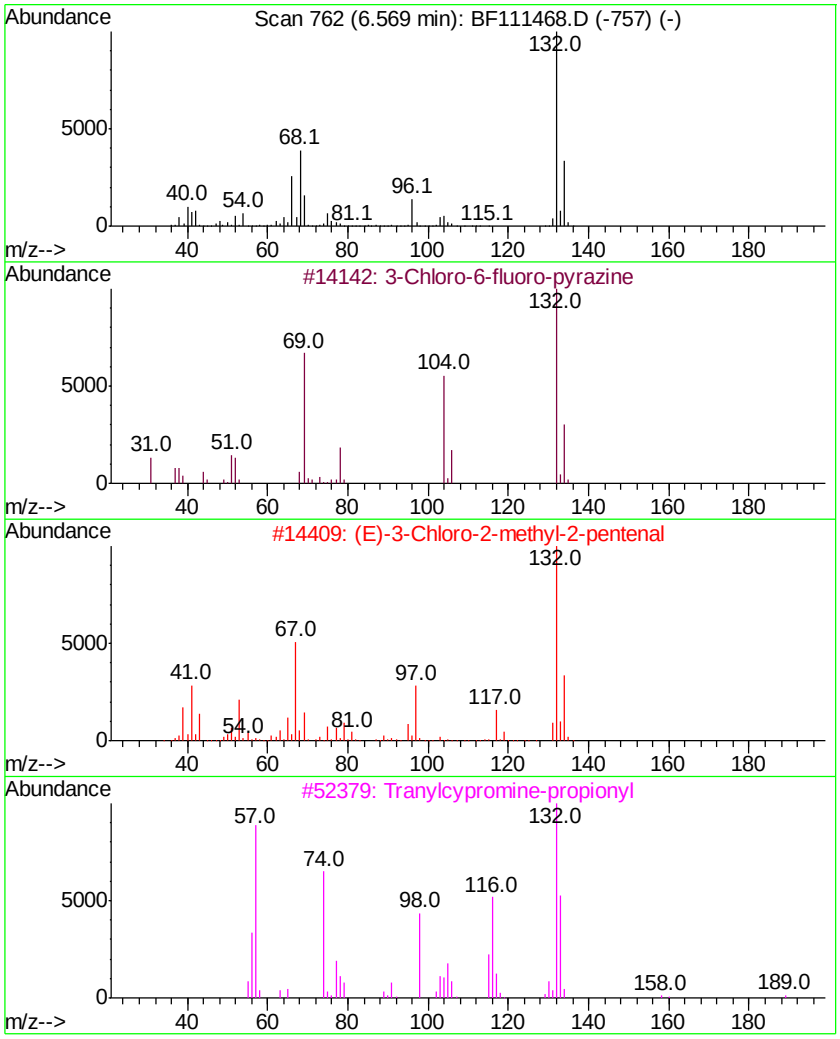
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

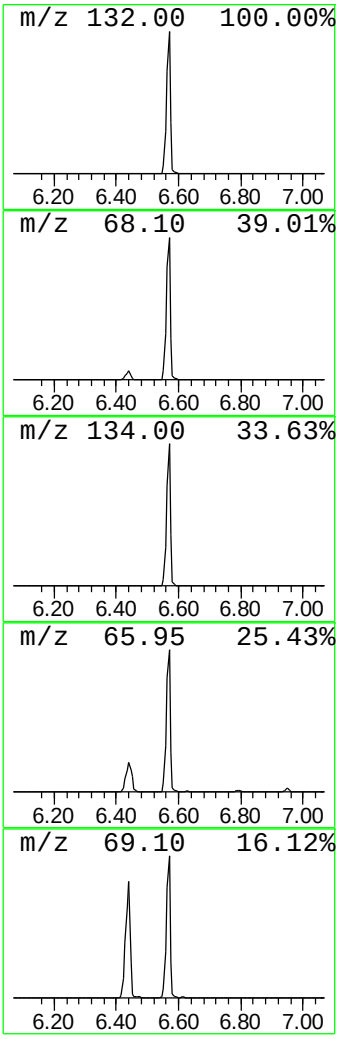
****

Peak Number 3 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	73.94 ng	3894120	1,4-Dichlorobenzene-d4	6.79

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

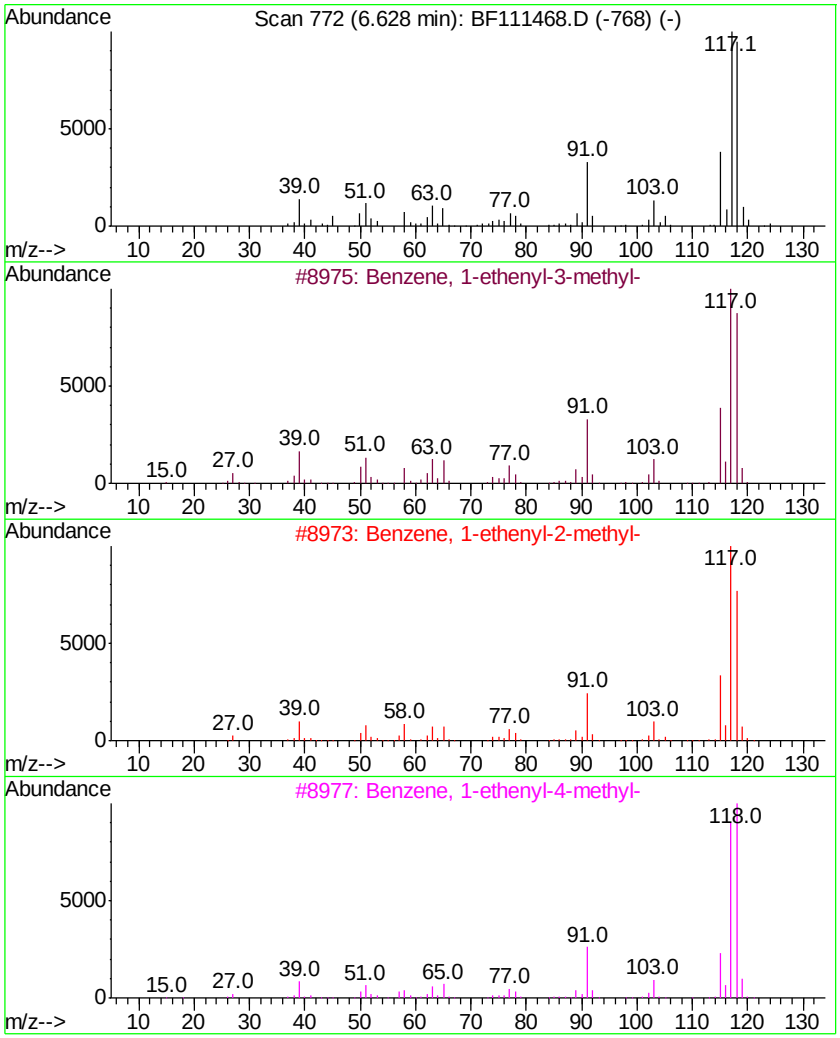
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

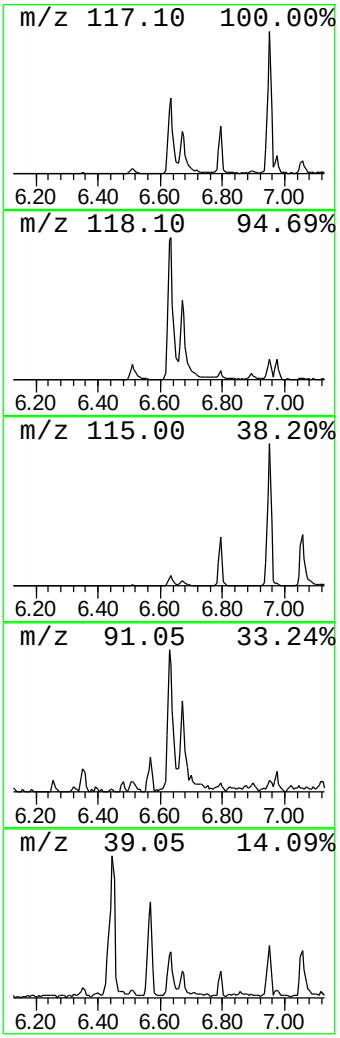
****

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	7.13 ng	375770	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

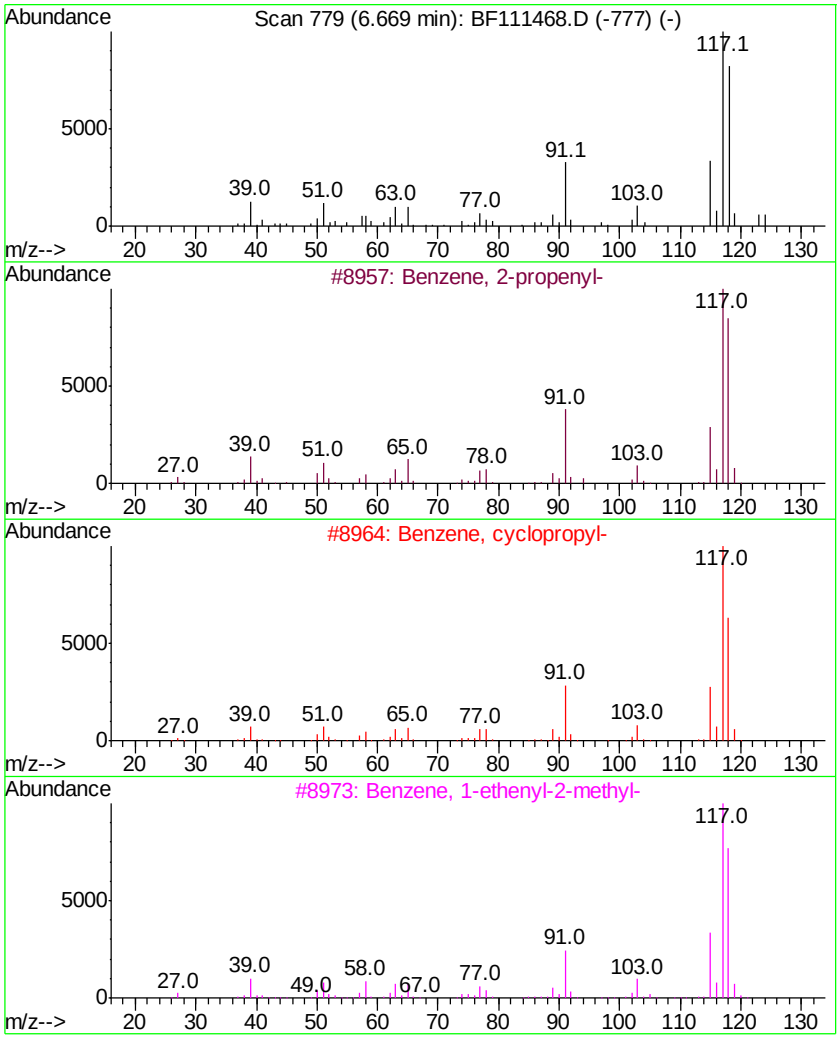
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

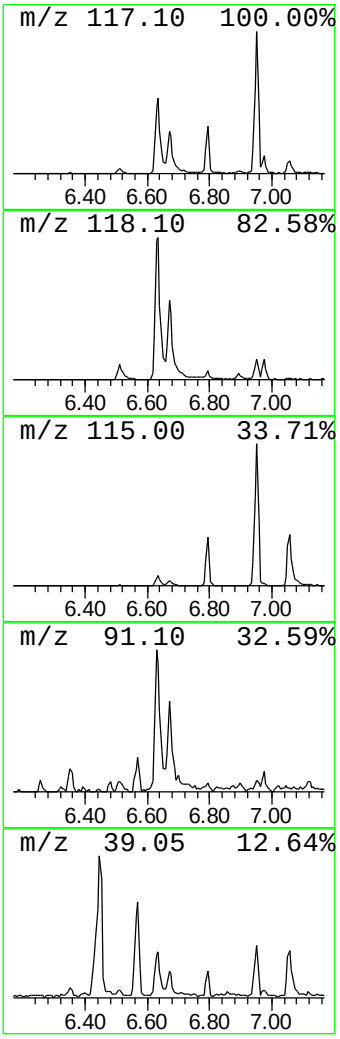
****

Peak Number 5 Benzene, 2-propenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	3.12 ng	164088	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

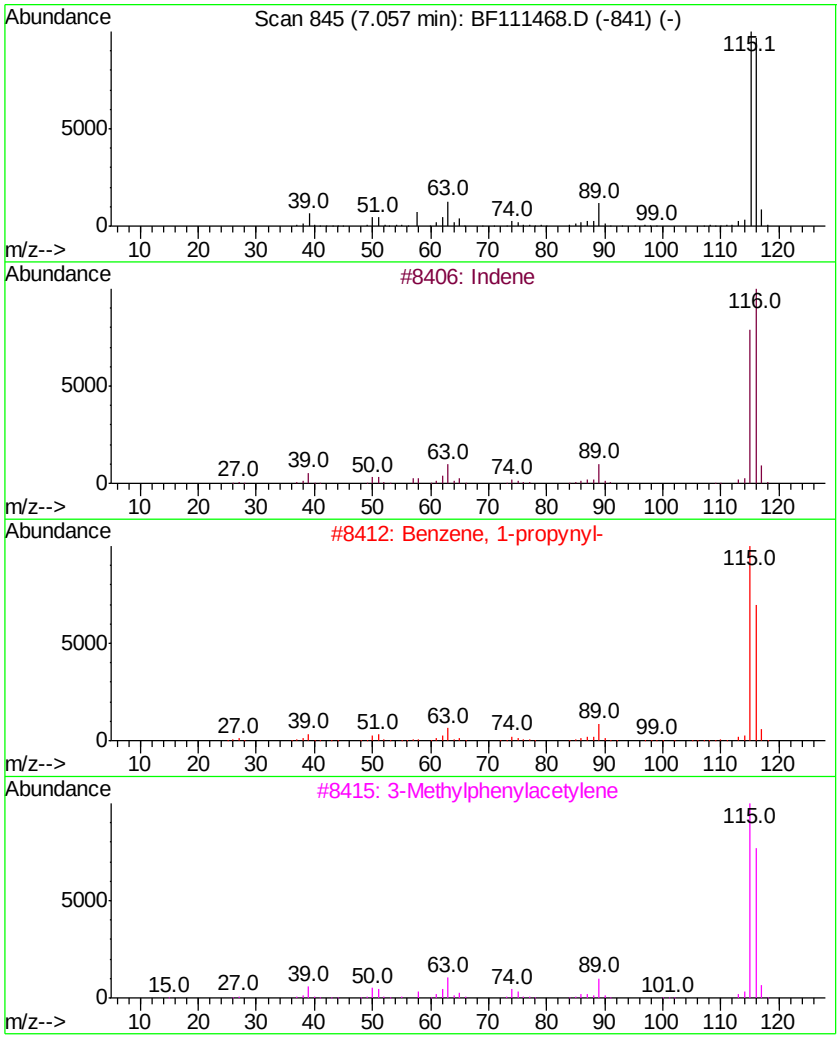
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

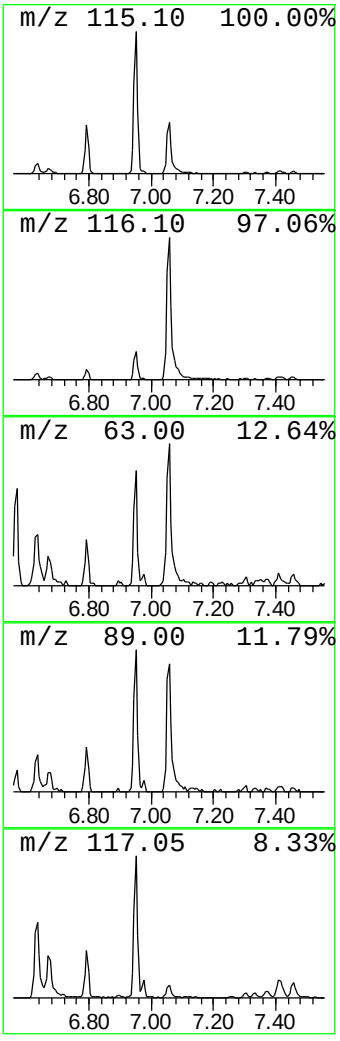
****

Peak Number 7 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	9.64 ng	507757	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

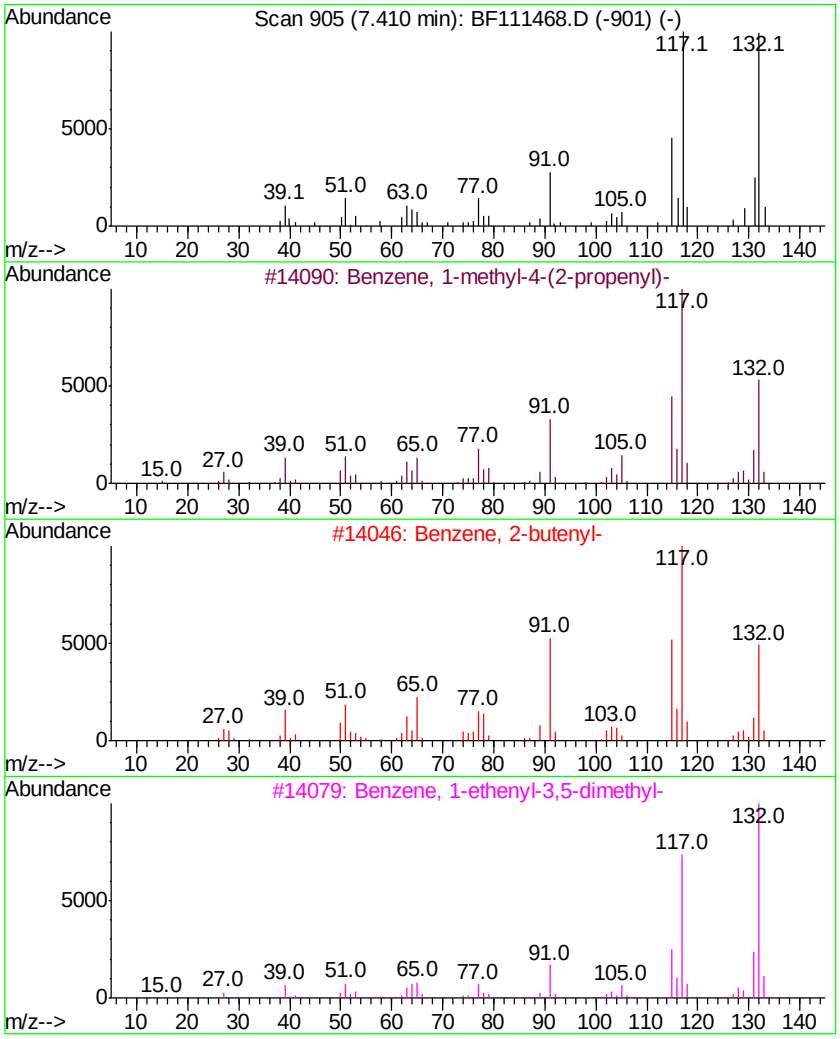
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

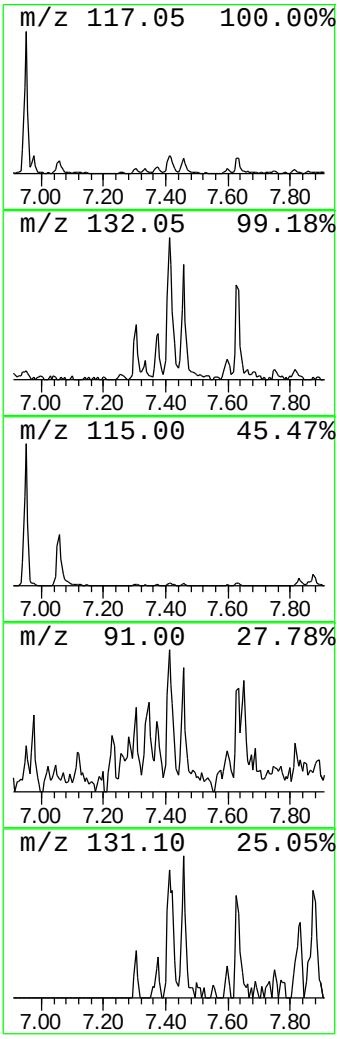
****

Peak Number 8 Benzene, 1-methyl-4-(2-prop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	2.70 ng	142215	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	97
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	95
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

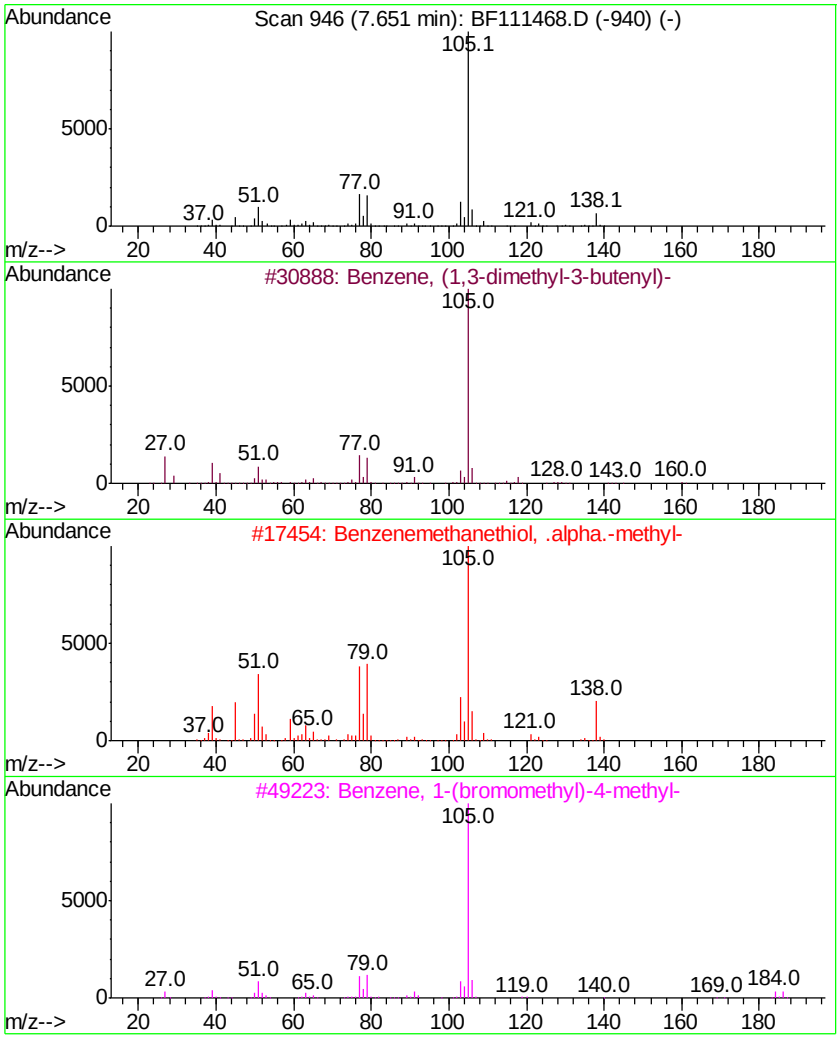
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

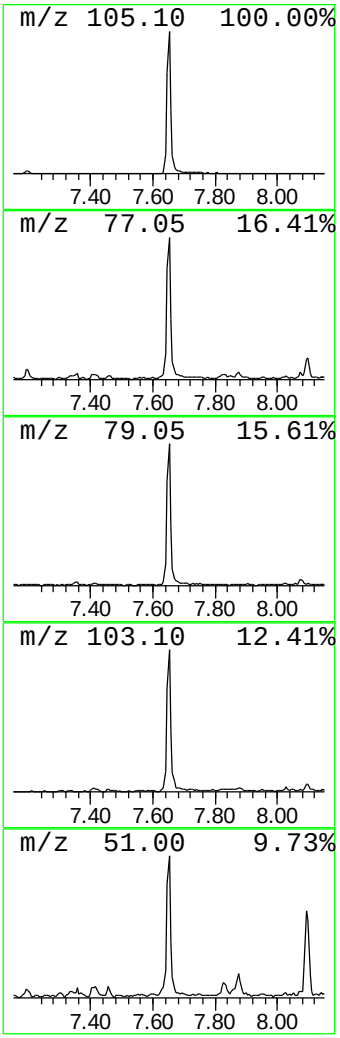
****

Peak Number 9 Benzene, (1,3-dimethyl-3-bu... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	12.22 ng	845890	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
2	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	72
3	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	72
4	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	64
5	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

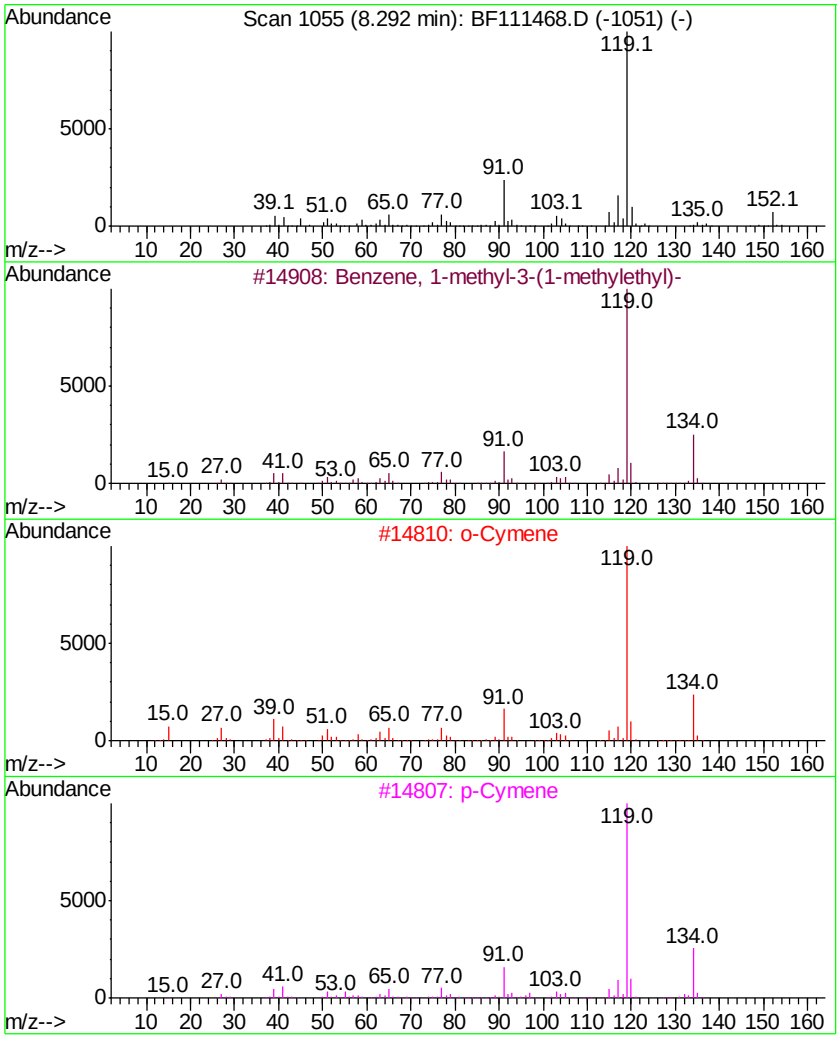
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

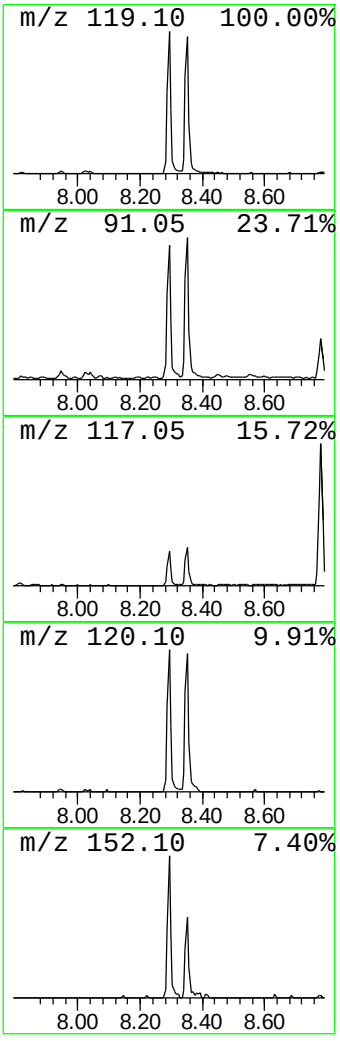
****

Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	8.77 ng	606983	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	o-Cymene	134	C10H14	000527-84-4	81
3	p-Cymene	134	C10H14	000099-87-6	80
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

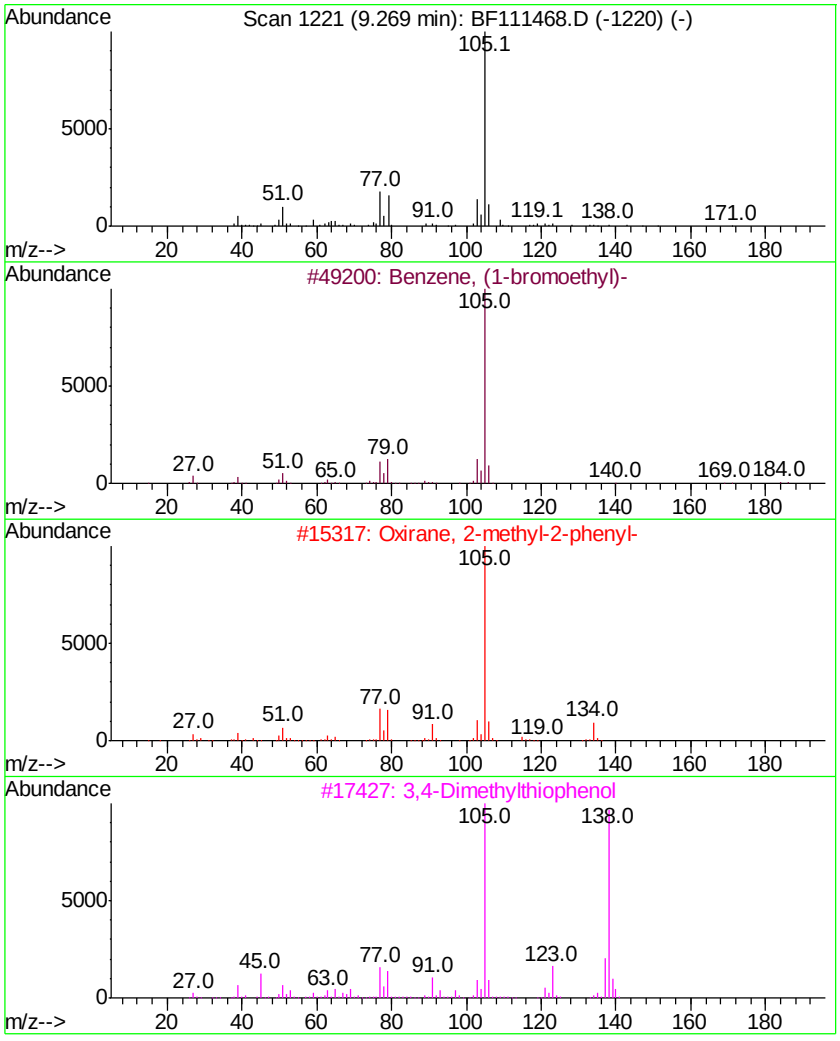
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

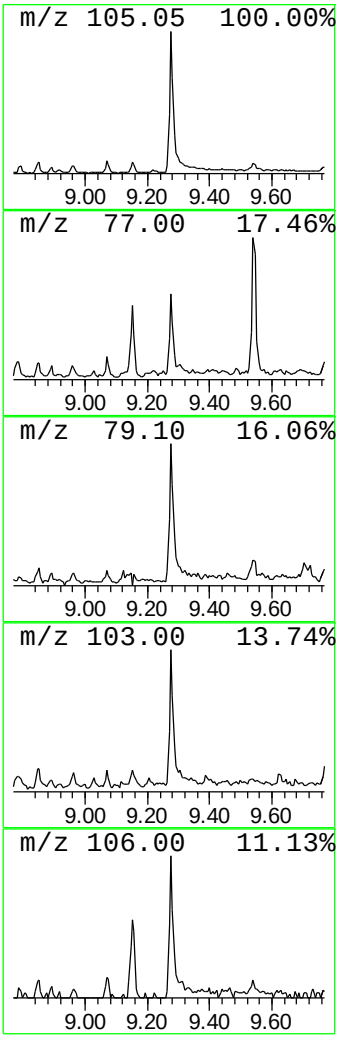
****

Peak Number 12 Benzene, (1-bromoethyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	3.12 ng	226167	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	80
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	72
3	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	64
4	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	64
5	3-Methylbenzyl mercaptan	138	C8H10S	025697-56-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

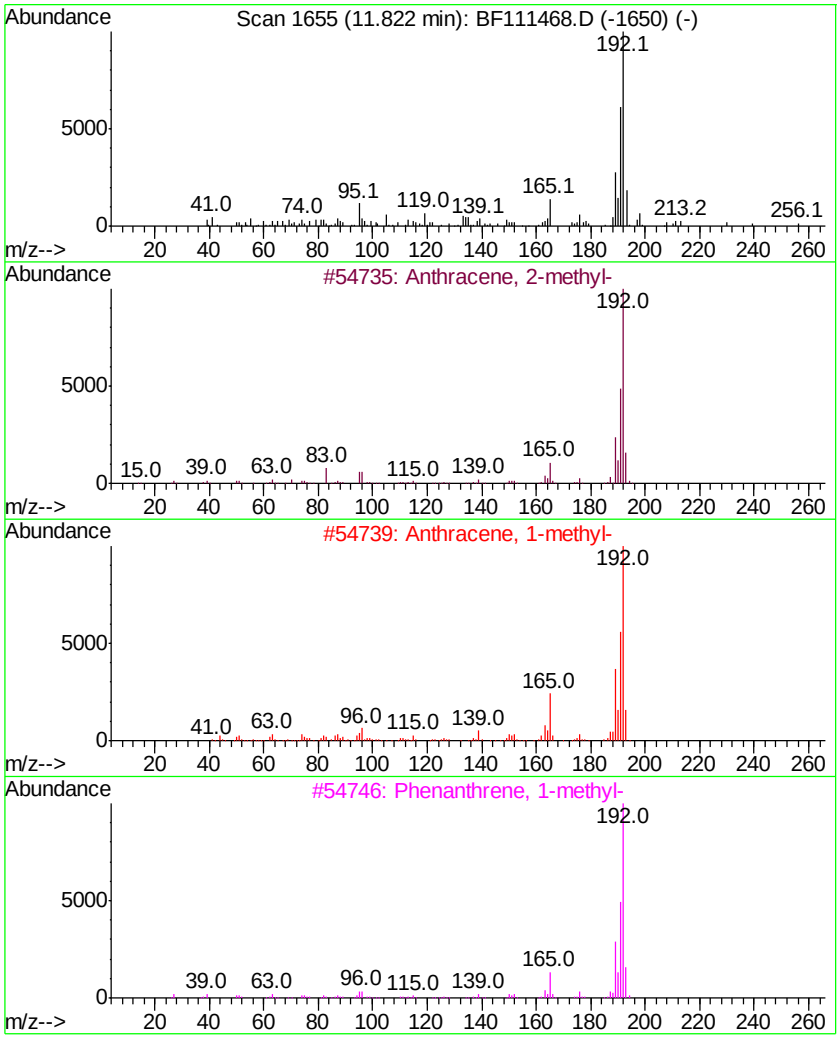
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

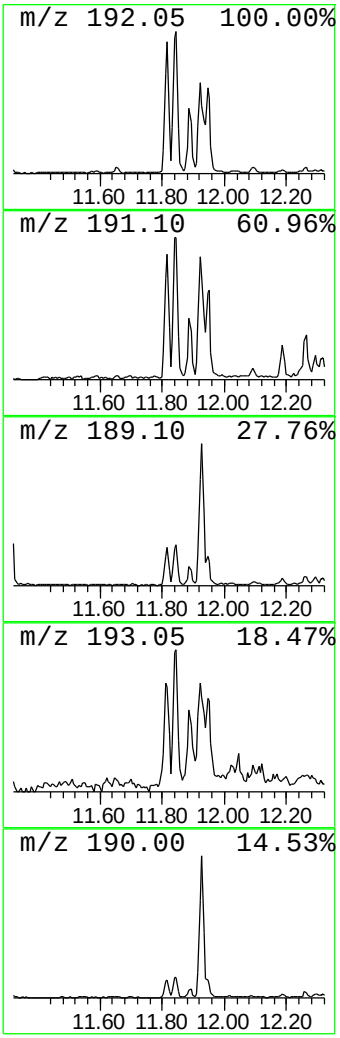
****

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.27 ng	183435	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

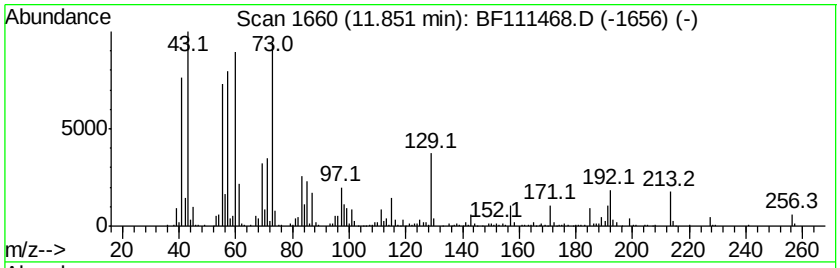
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

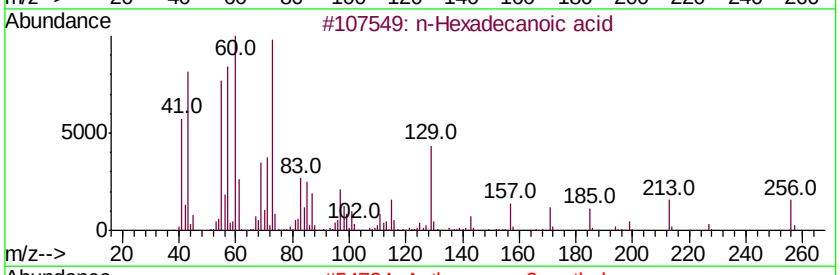
****

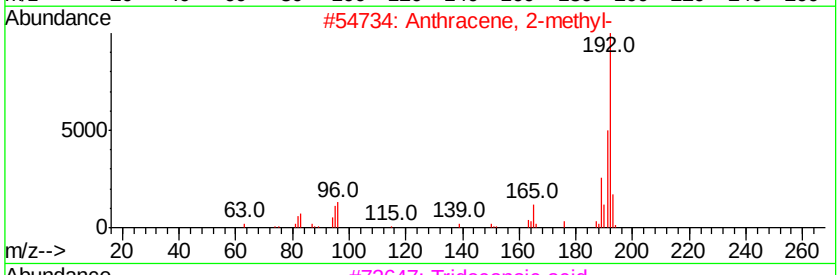
Peak Number 14 n-Hexadecanoic acid Concentration Rank 3

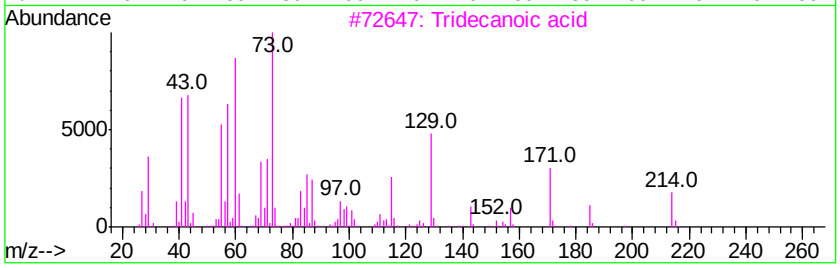
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	18.06 ng	1011690	Phenanthrene-d10	11.31

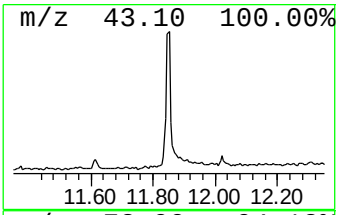
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	59
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59

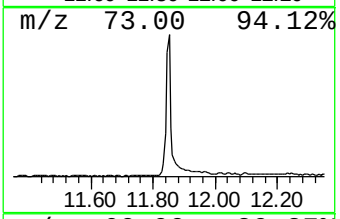


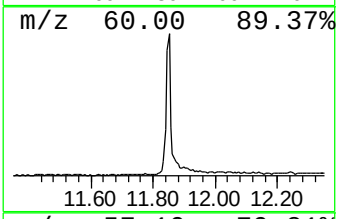


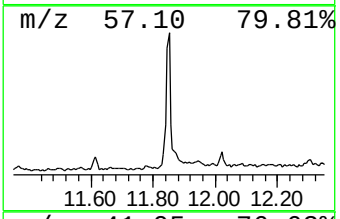


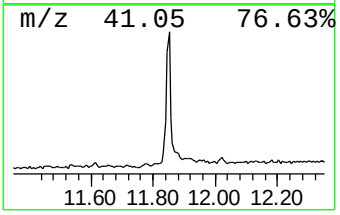












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

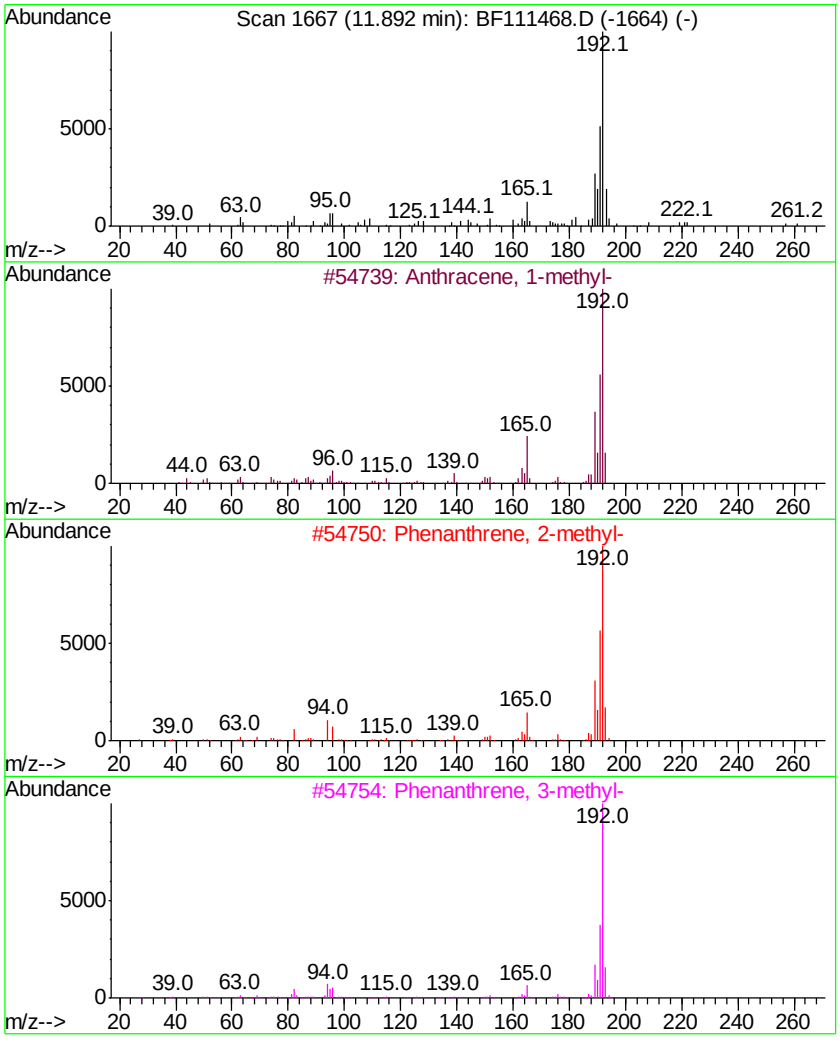
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

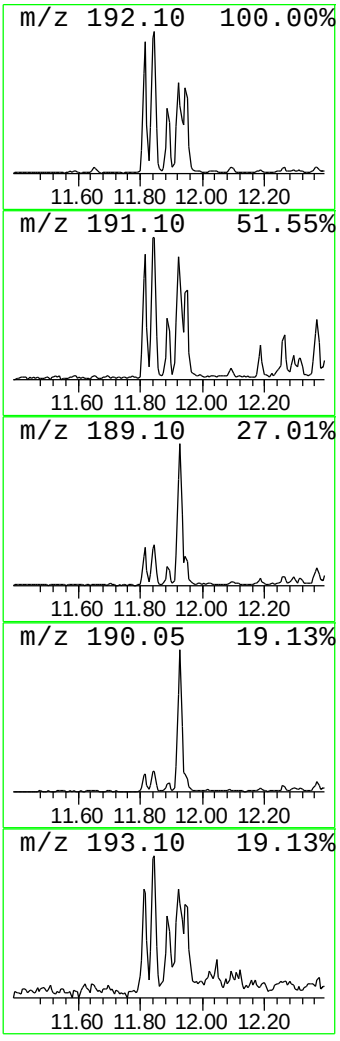
****

Peak Number 15 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.50 ng	140143	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

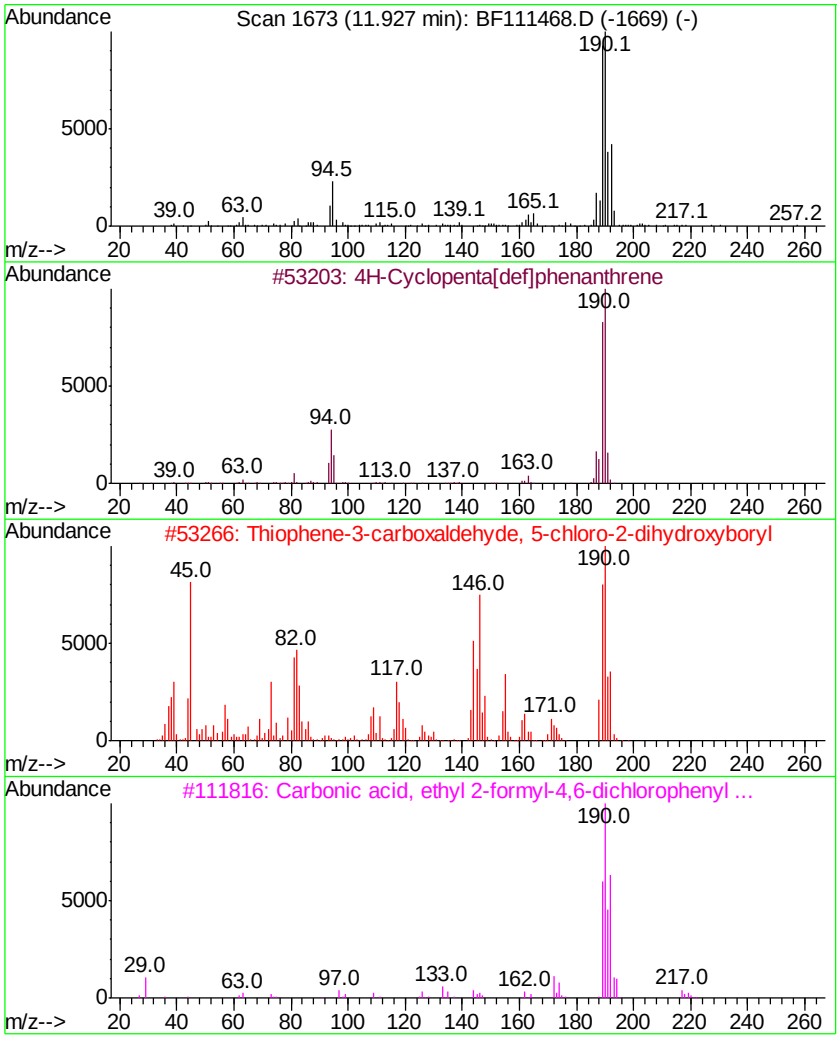
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

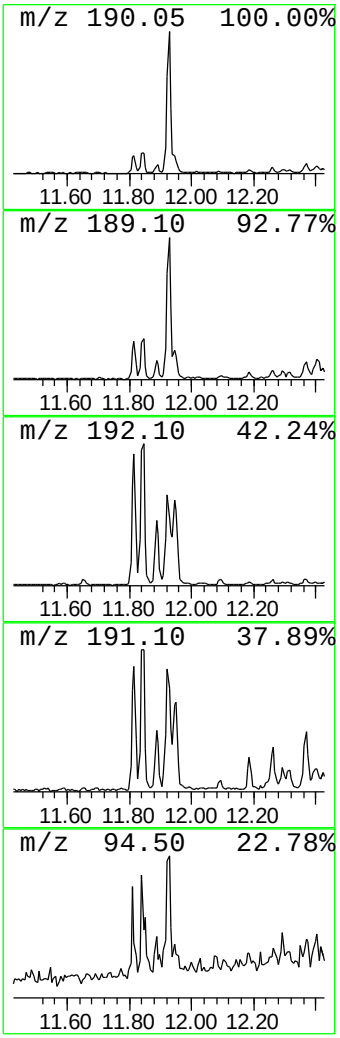
****

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	6.25 ng	350086	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

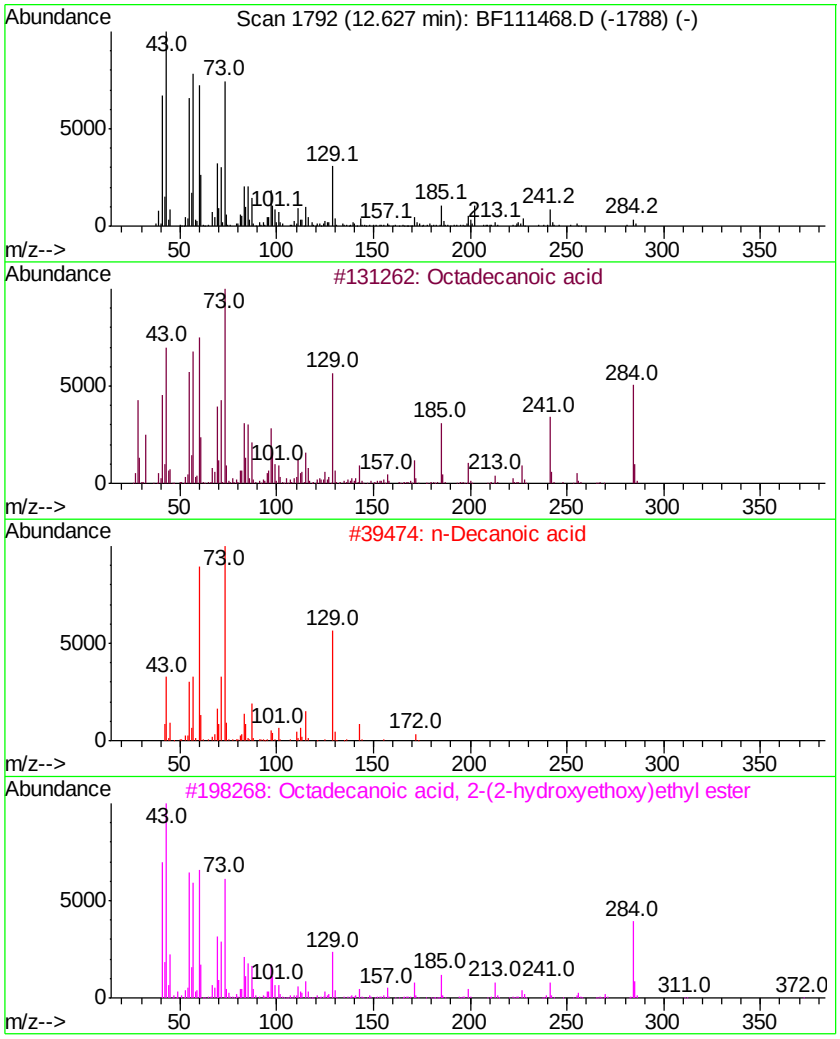
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

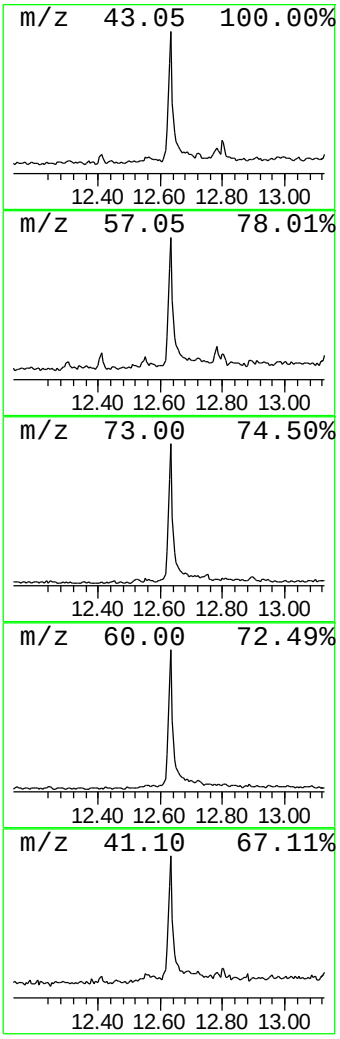
****

Peak Number 17 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	8.29 ng	737116	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Decanoic acid	172	C10H20O2	000334-48-5	89
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

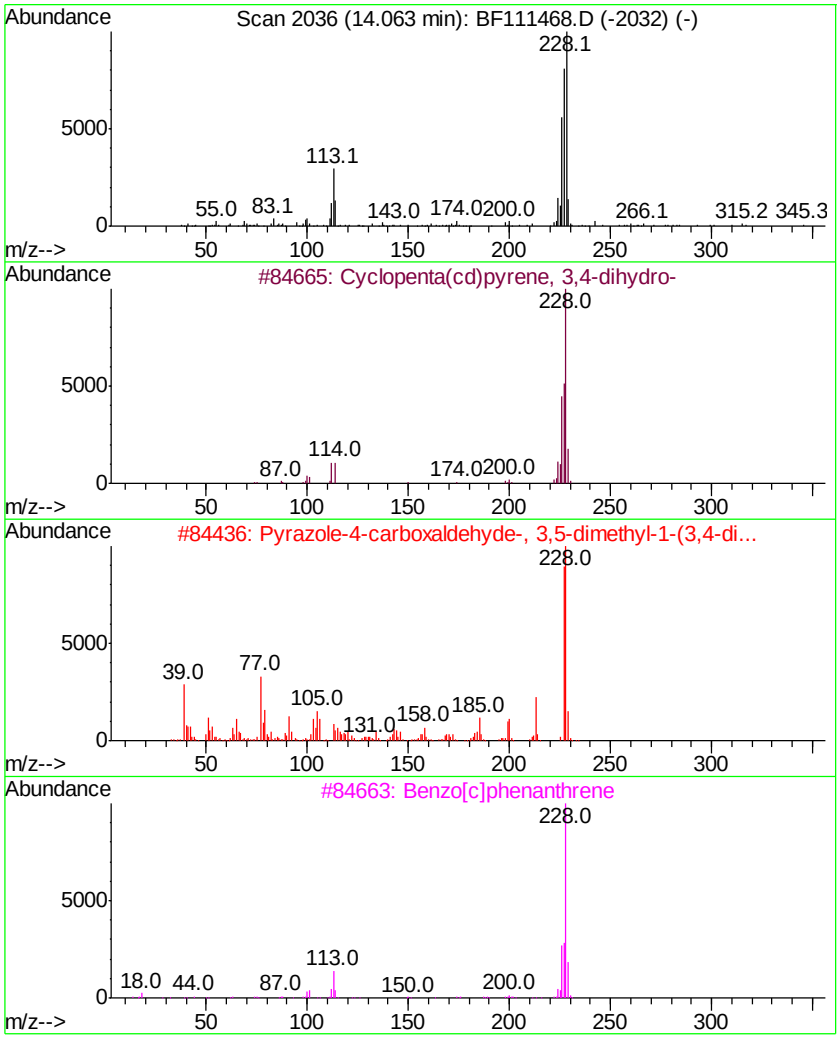
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

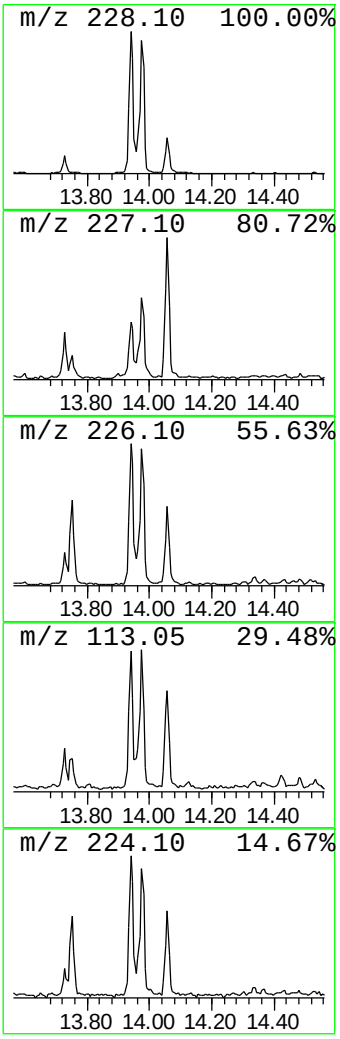
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	2.76 ng	244932	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	46
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

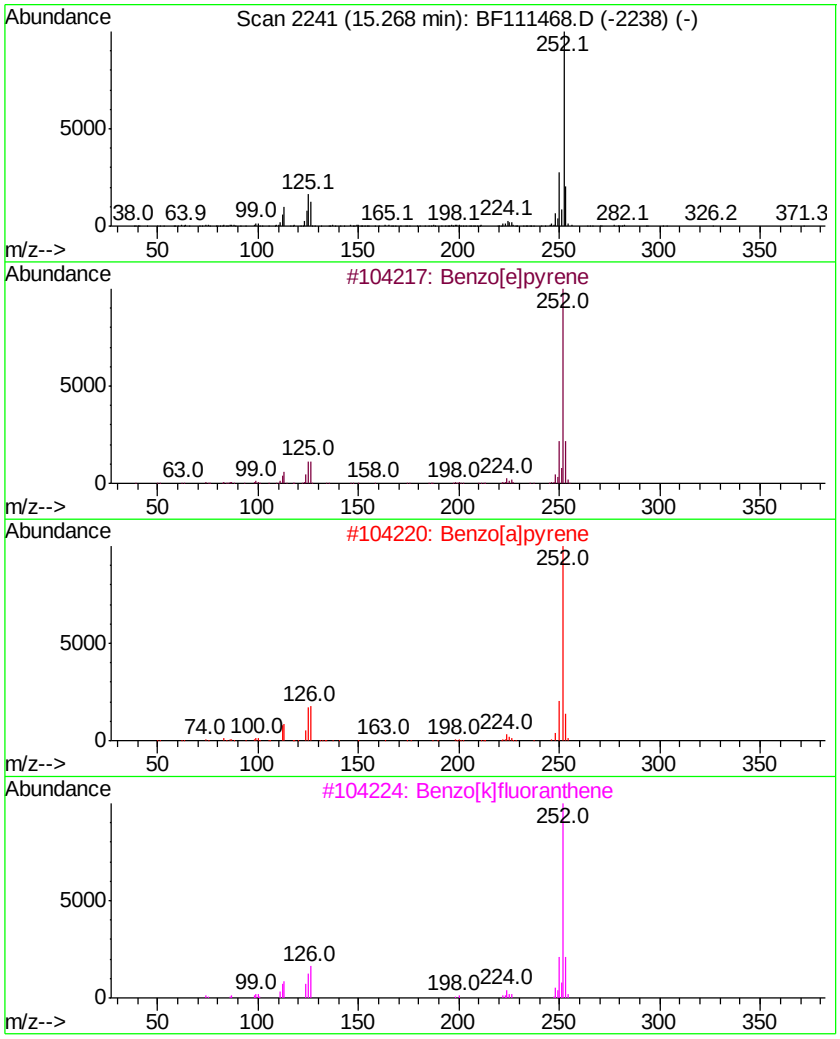
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

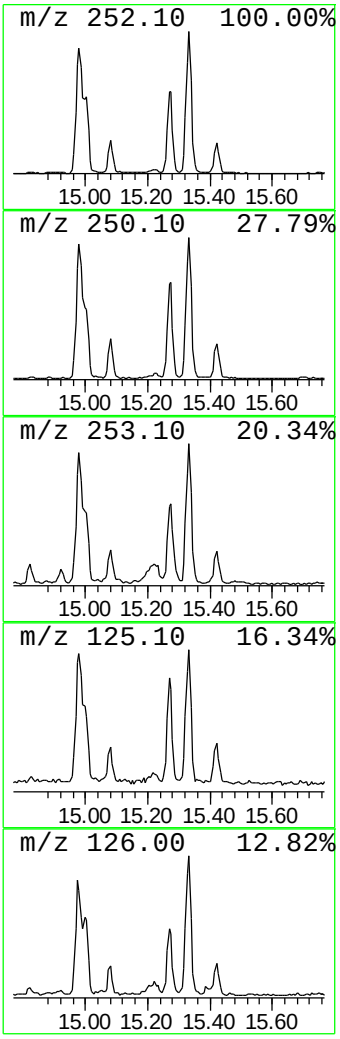
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	12.66 ng	541342	Perylene-d12	15.39

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	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121518\
Data File : BF111468.D
Acq On : 15 Dec 2018 15:03
Operator : JU/SJ
Sample : J6316-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-SIGNAL-TOWER-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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...	5.00	3.8	ng	199310	1	6.79	1053370	20.0
unknown6.57	6.57	73.9	ng	3894120	1	6.79	1053370	20.0
Benzene, 1-etheny...	6.63	7.1	ng	375770	1	6.79	1053370	20.0
Benzene, 2-propenyl-	6.67	3.1	ng	164088	1	6.79	1053370	20.0
Indene	7.06	9.6	ng	507757	1	6.79	1053370	20.0
Benzene, 1-methyl...	7.41	2.7	ng	142215	1	6.79	1053370	20.0
Benzene, (1,3-dim...	7.65	12.2	ng	845890	2	8.07	1384940	20.0
Benzene, 1-methyl...	8.29	8.8	ng	606983	2	8.07	1384940	20.0
Benzene, (1-bromo...	9.27	3.1	ng	226167	3	9.83	1447950	20.0
Anthracene, 2-met...	11.82	3.3	ng	183435	4	11.31	1120570	20.0
n-Hexadecanoic acid	11.85	18.1	ng	1011690	4	11.31	1120570	20.0
Anthracene, 1-met...	11.89	2.5	ng	140143	4	11.31	1120570	20.0
4H-Cyclopenta[def...	11.93	6.3	ng	350086	4	11.31	1120570	20.0
Octadecanoic acid	12.63	8.3	ng	737116	5	13.95	1777310	20.0
Cyclopenta(cd)pyr...	14.06	2.8	ng	244932	5	13.95	1777310	20.0
Benzo[e]pyrene	15.27	12.7	ng	541342	6	15.39	855333	20.0