LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

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-BF110818.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	2.281	28	33	39	rVB	99404	133325	4.72%	0.546%
2	5.198	525	529	539	rBV	74575	116993	4.14%	0.479%
3	5.575	588	593	596	rBV	2421803	2485828	88.00%	10.186%
4	6.581	758	764	768	rBV	2176029	2824748	100.00%	11.575%
5	6.716	782	787	791	rBV	2641450	2708473	95.88%	11.099%
6	6.945	822	826	831	rBV	640750	528688	18.72%	2.166%
7	7.104	848	853	856	rBV	2078374	1959056	69.35%	8.028%
8	7.516	917	923	929	rBV	1605652	1723127	61.00%	7.061%
9	8.228	1040	1044	1049	rBV	727244	704339	24.93%	2.886%
10	8.628	1109	1112	1114	rBV	43547	31883	1.13%	0.131%
11	8.875	1151	1154	1162	rVB2	35084	53432	1.89%	0.219%
12	9.169	1199	1204	1208	rBV	43163	41202	1.46%	0.169%
13	9.228	1208	1214	1217	rBV	56814	63151	2.24%	0.259%
14	9.304	1221	1227	1230	rBV	2697714	2658473	94.11%	10.894%
15	9.569	1267	1272	1276	rBV4	25469	39122	1.38%	0.160%
16	9.639	1281	1284	1287	rVB	36430	33516	1.19%	0.137%
17	9.686	1287	1292	1296	rBV2	191813	218478	7.73%	0.895%
18	9.845	1315	1319	1322	rBV2	37202	42654	1.51%	0.175%
19	9.886	1323	1326	1329	rVB2	43369	43287	1.53%	0.177%
20	9.986	1340	1343	1346	rBV	822208	643819	22.79%	2.638%
21	10.016	1346	1348	1355	rVB	64438	77338	2.74%	0.317%
22	10.092	1355	1361	1364	rBV5	16514	31822	1.13%	0.130%
23	10.180	1374	1376	1380	rBV2	30516	38082	1.35%	0.156%
24	10.227	1380	1384	1388	rVB3	31630	38579	1.37%	0.158%
25	10.298	1393	1396	1399	rBV	29296	38427	1.36%	0.157%
26	10.392	1408	1412	1414	rBV4	33926	40520	1.43%	0.166%
27	10.533	1433	1436	1441	rVB2	46427	55323	1.96%	0.227%
28	10.616	1445	1450	1453	rBV	76957	82316	2.91%	0.337%
29	10.780	1474	1478	1485	rBV	1605291	1478164	52.33%	6.057%
30	10.880	1491	1495	1504	rVB	162755	181767	6.43%	0.745%
31	11.086	1524	1530	1533	rBV6	24994	42293	1.50%	0.173%
32	11.216	1546	1552	1553	rBV6	18535	31924	1.13%	0.131%
33	11.345	1571	1574	1577	rBV	65879	56511	2.00%	0.232%
34	11.480	1593	1597	1599	rBV	666351	566662	20.06%	2.322%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.504	1599	1601	1608	rVB	286042	219339	7.76%	0.899%
36	11.557	1608	1610	1613	rBV	52314	46424	1.64%	0.190%
37	11.980	1679	1682	1685	rBV	117833	112441	3.98%	0.461%
38	12.010	1685	1687	1691	rVB	60602	53095	1.88%	0.218%
39	12.098	1698	1702	1704	rBV2	65148	76176	2.70%	0.312%
40	12.216	1719	1722	1726	rBV	84129	80567	2.85%	0.330%
41	12.327	1738	1741	1744	rVB2	69389	59193	2.10%	0.243%
42	12.533	1773	1776	1779	rBV2	40246	46581	1.65%	0.191%
43	12.698	1801	1804	1807	rBV	348750	290214	10.27%	1.189%
44	12.727	1807	1809	1813	rVB2	87151	78393	2.78%	0.321%
45	12.933	1837	1844	1849	rBV	283386	366138	12.96%	1.500%
46	13.063	1862	1866	1869	rVV	1865892	1641267	58.10%	6.726%
47	13.133	1875	1878	1880	rBV2	31504	33918	1.20%	0.139%
48	13.198	1887	1889	1892	rBV	74239	59785	2.12%	0.245%
49	13.939	2012	2015	2020	rVB4	112177	118294	4.19%	0.485%
50	14.080	2037	2039	2041	rVB	76101	55175	1.95%	0.226%
51	14.133	2043	2048	2050	rVV2	549590	636463	22.53%	2.608%
52	14.157	2050	2052	2056	rVB	140877	117187	4.15%	0.480%
53	15.204	2227	2230	2232	rBV	100359	128349	4.54%	0.526%
54	15.592	2293	2296	2299	rBV	81404	89706	3.18%	0.368%
55	15.656	2304	2307	2311	rVB	236163	281173	9.95%	1.152%

Sum of corrected areas: 24403200

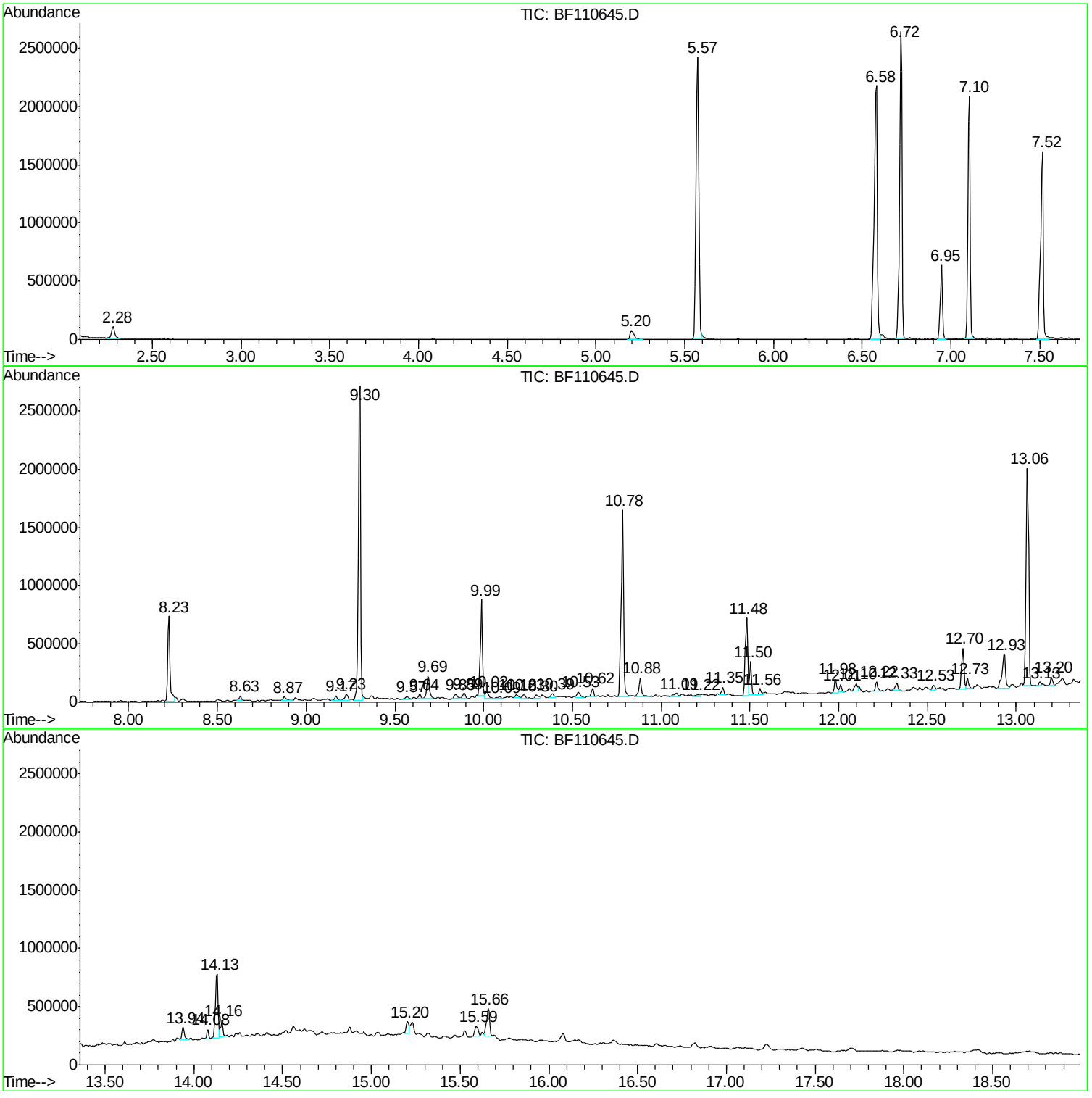
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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\BF110918\
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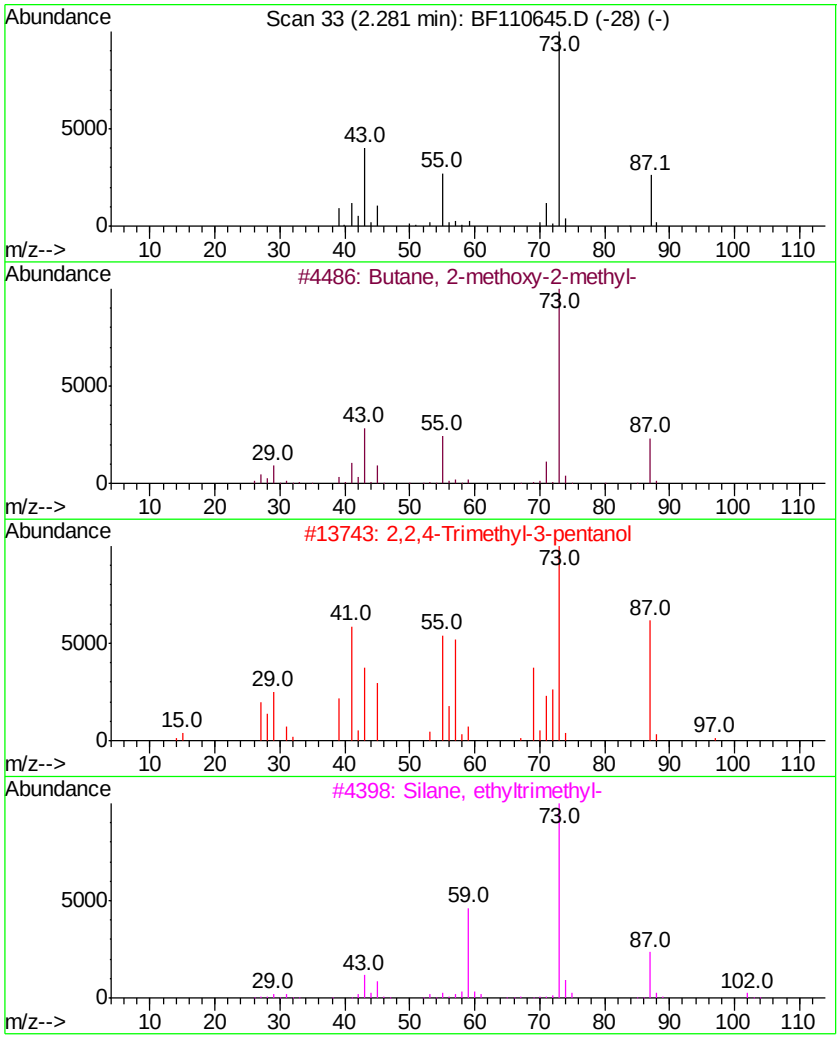
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

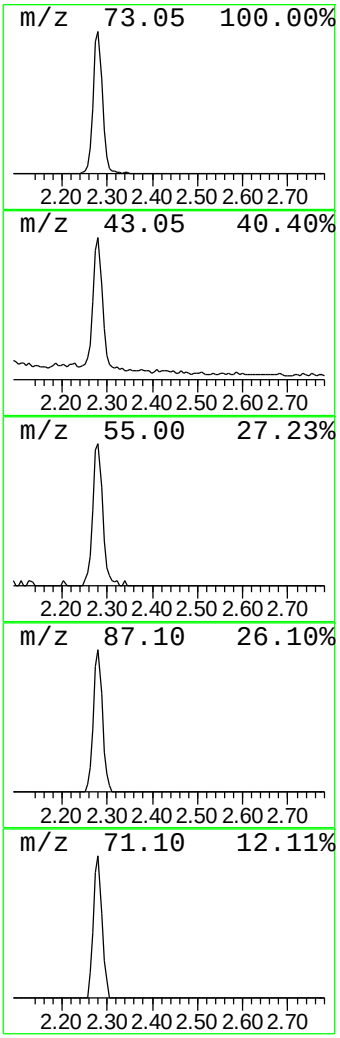
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	5.04 ng	133325	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12





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Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

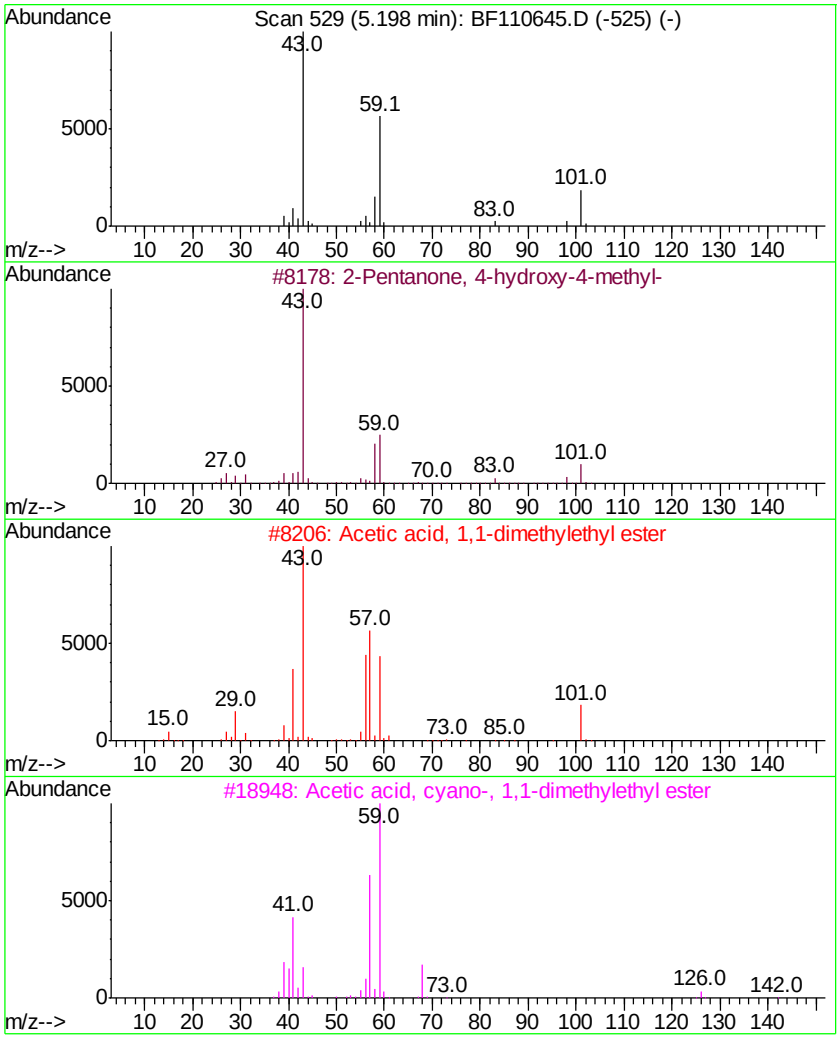
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

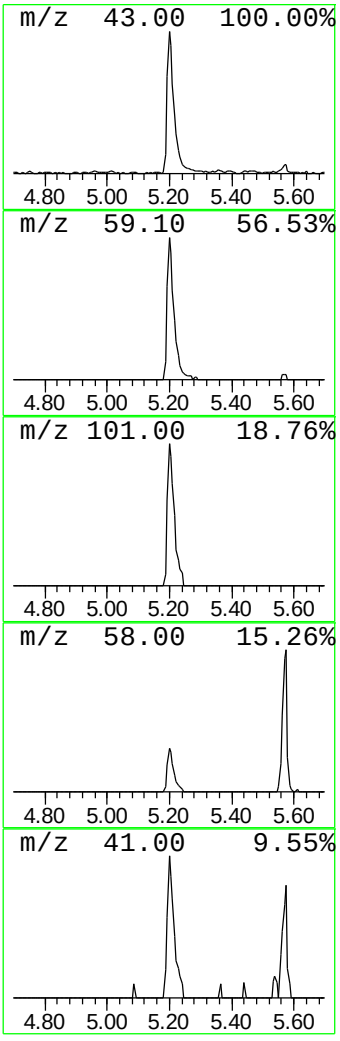
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	4.43 ng	116993	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

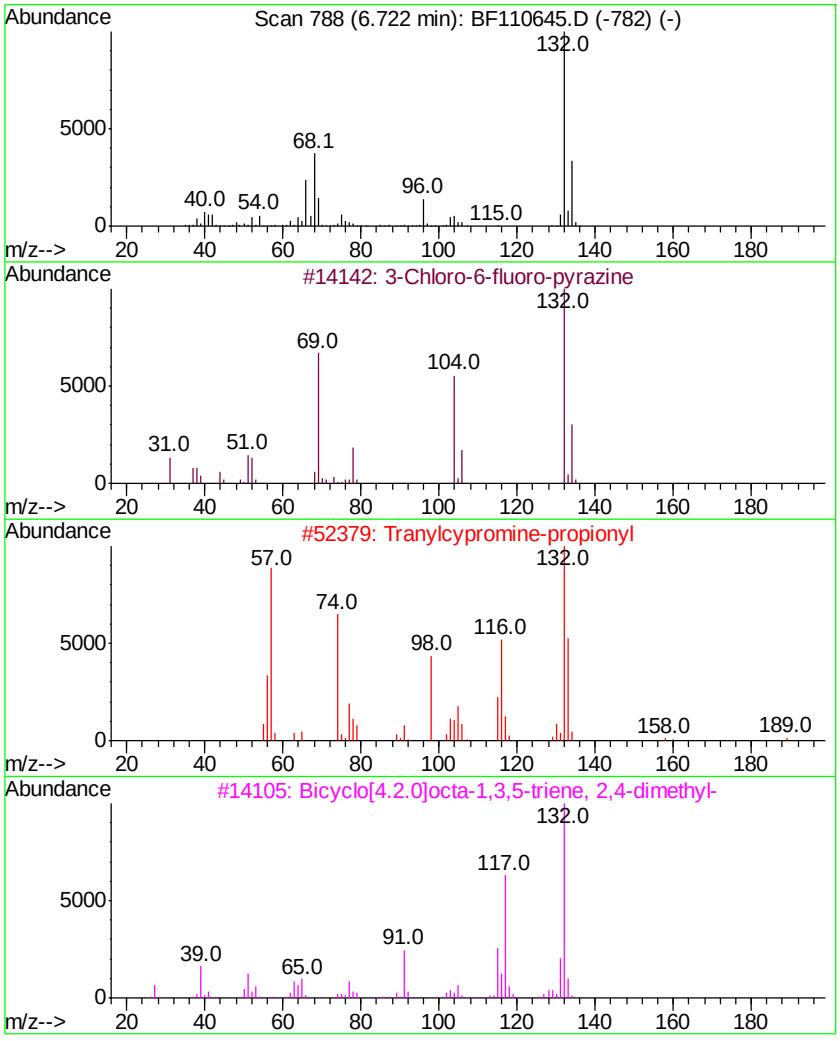
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

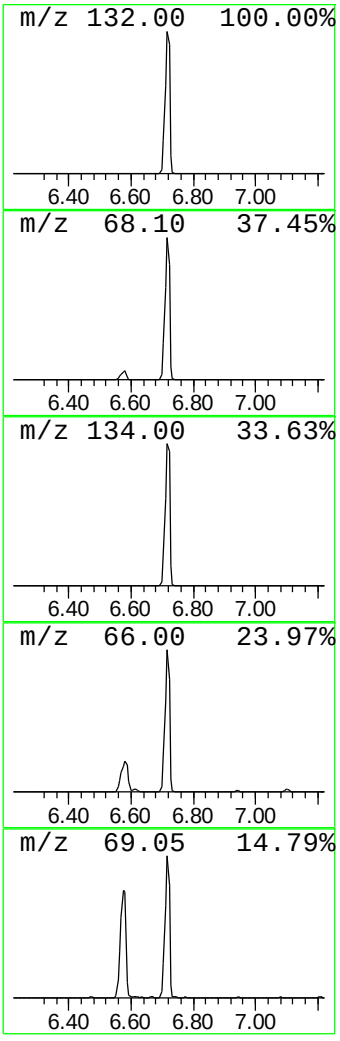
****

Peak Number 3 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	102.46 ng	2708470	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
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Misc :
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Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

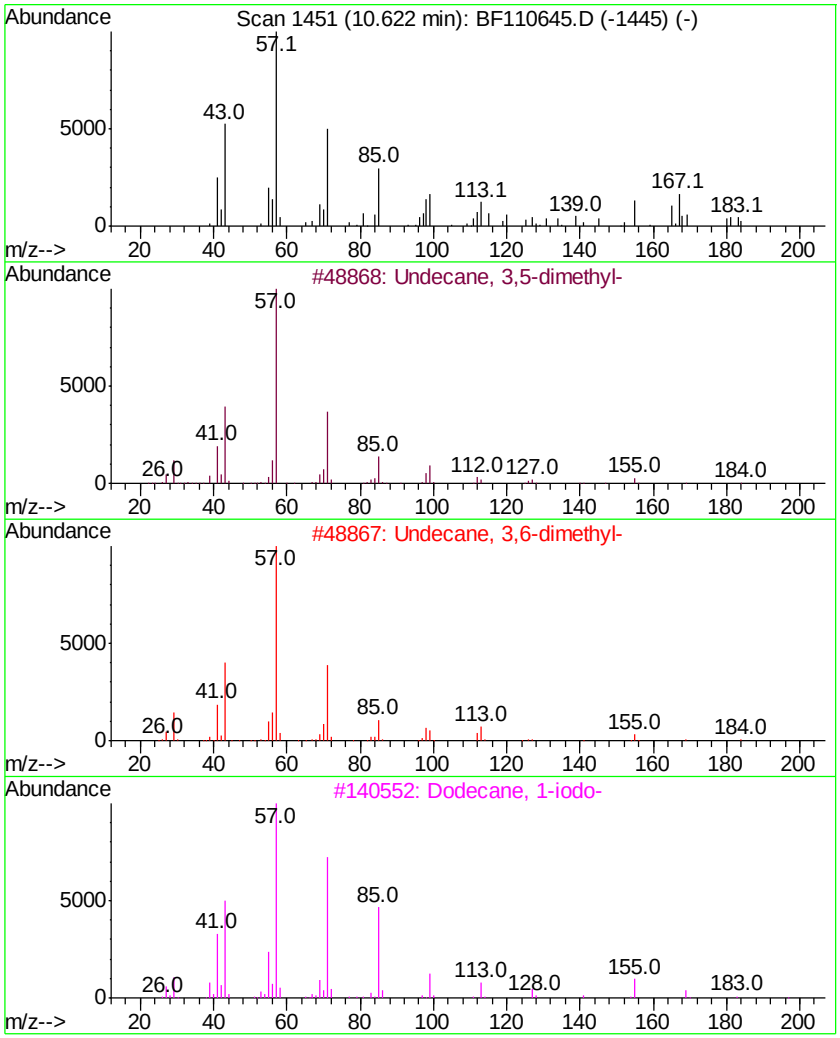
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

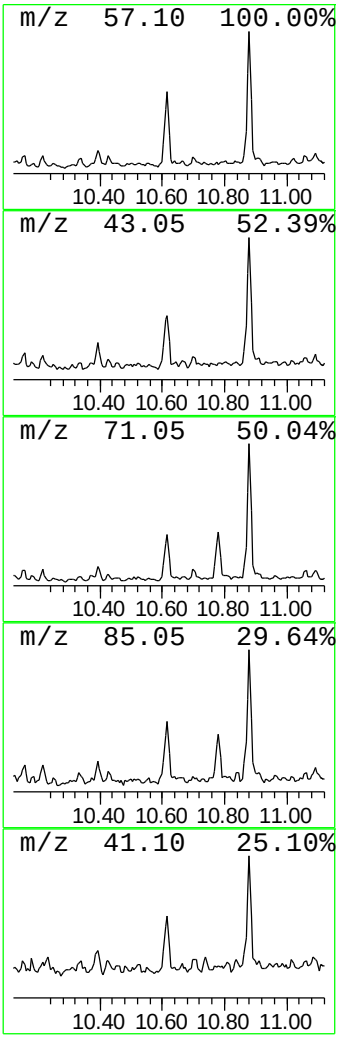
****

Peak Number 5 Undecane, 3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	2.56 ng	82316	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	76
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	76
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	64
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	59





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

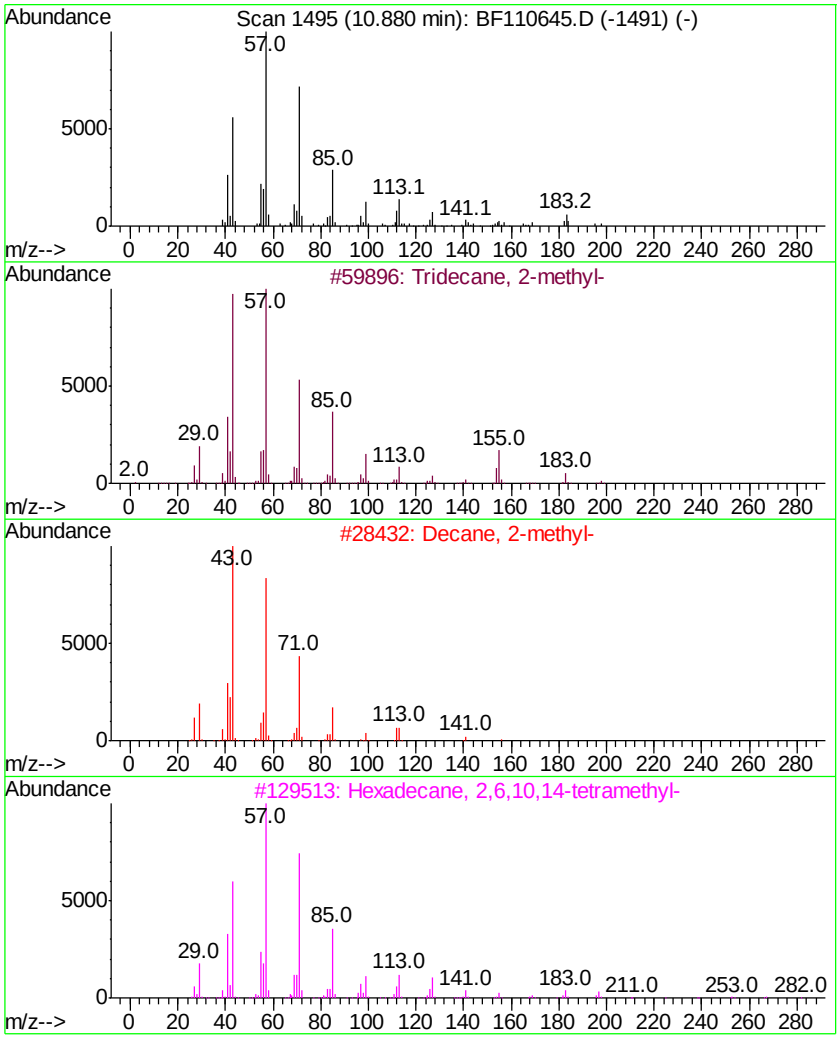
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

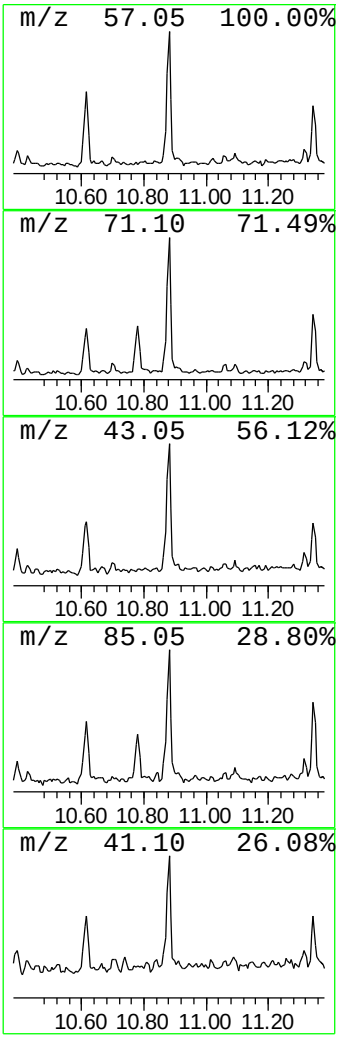
****

Peak Number 6 Tridecane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	6.42 ng	181767	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	91
2	Decane, 2-methyl-	156	C11H24	006975-98-0	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

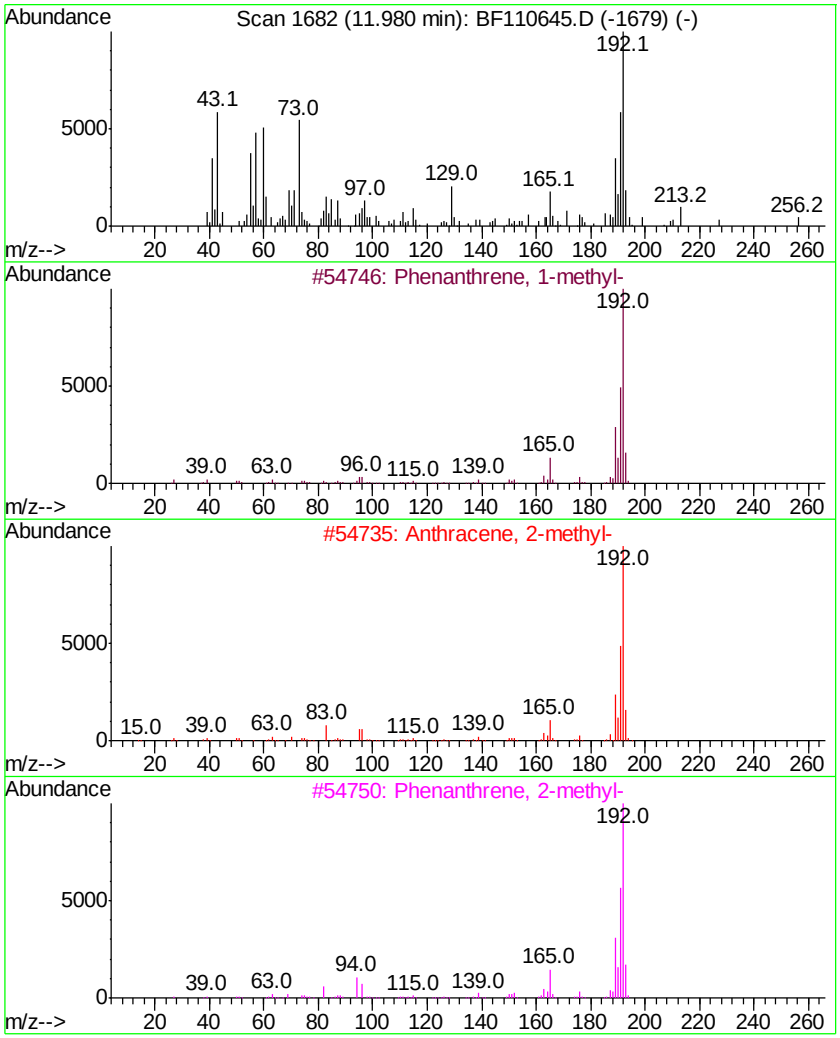
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

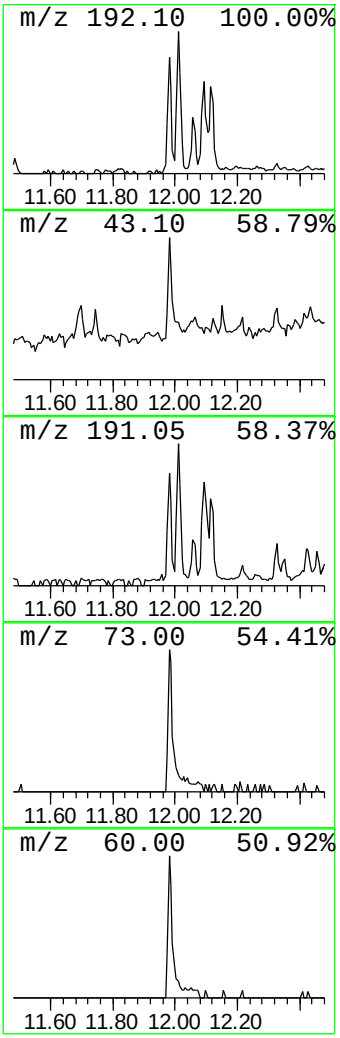
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.97 ng	112441	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
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Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

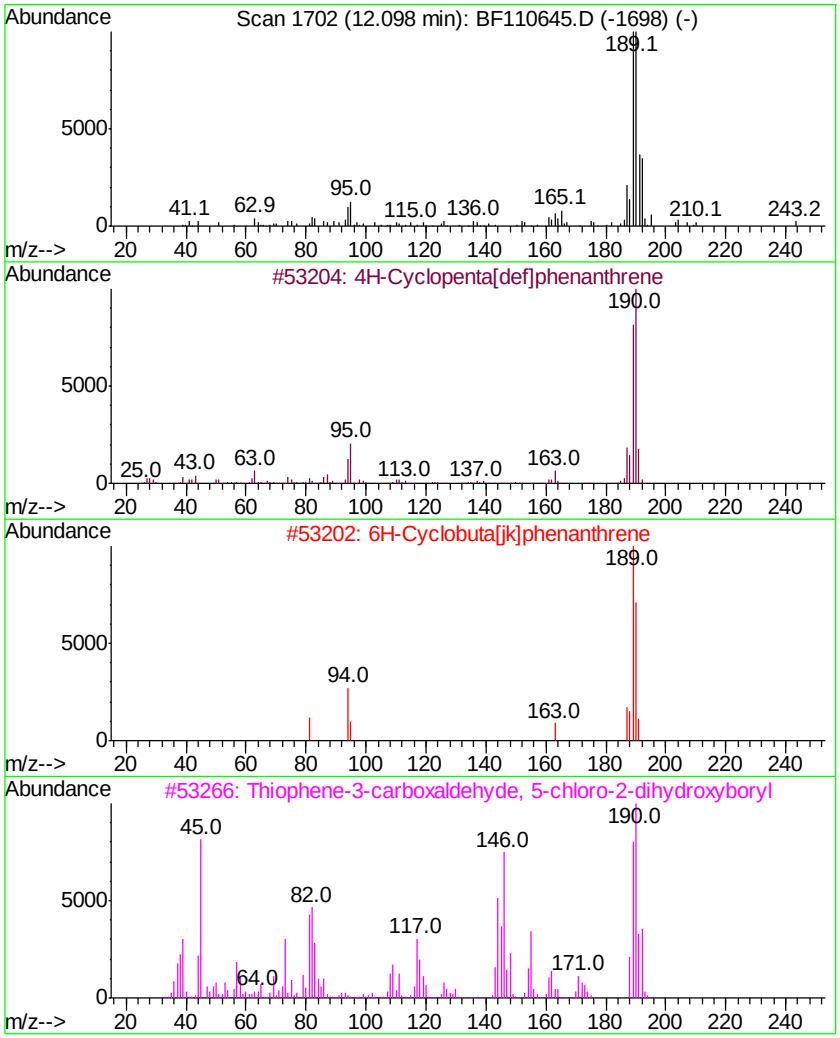
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

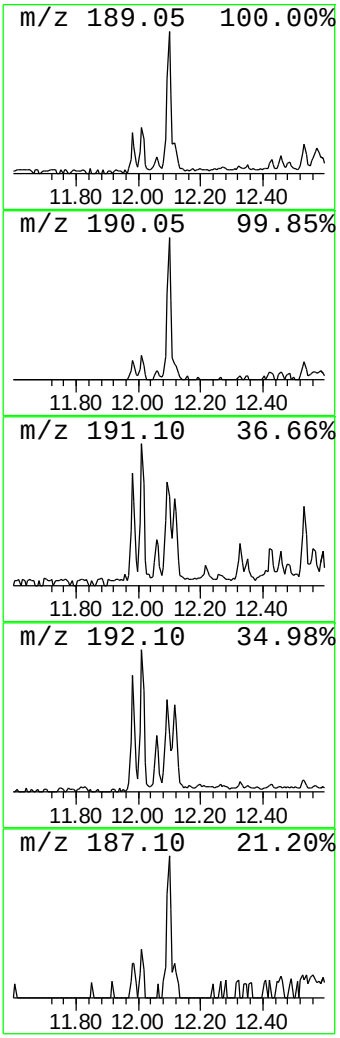
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.69 ng	76176	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
Data File : BF110645.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

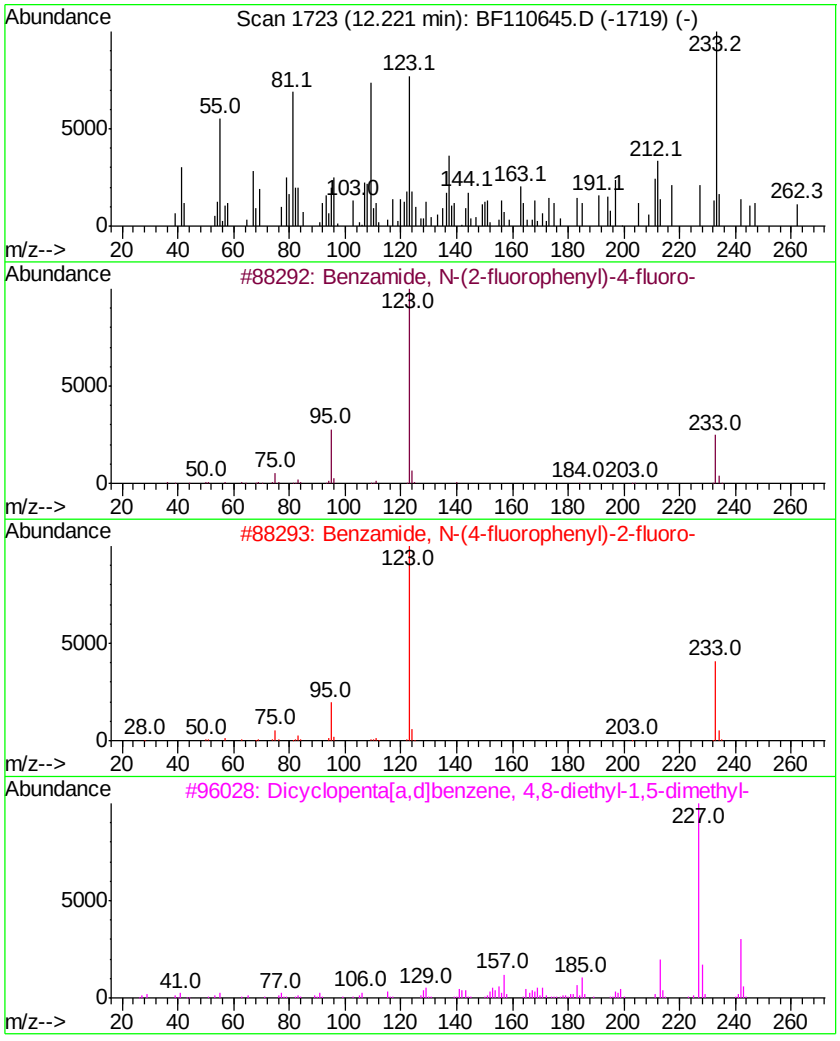
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

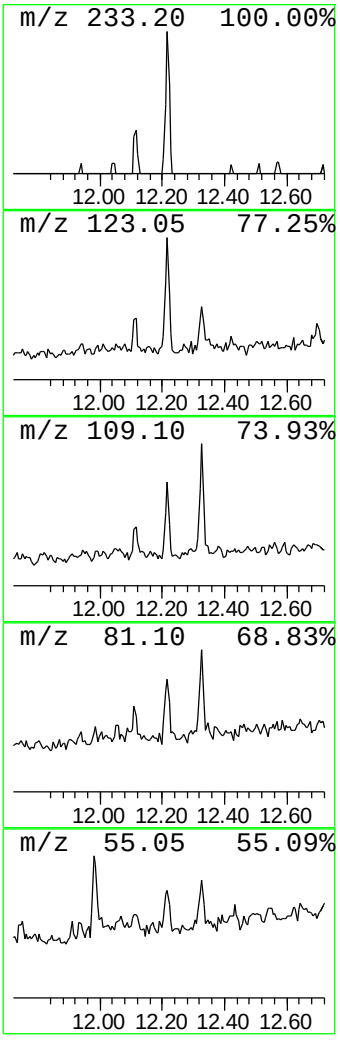
****

Peak Number 9 unknown12.22 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	2.84 ng	80567	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(2-fluorophenyl)-4-...	233	C13H9F2NO	1000308-30-2	35
2	Benzamide, N-(4-fluorophenyl)-2-...	233	C13H9F2NO	1000307-07-9	35
3	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	25
4	10H-Phenothiazine, 2-chloro-	233	C12H8ClNS	000092-39-7	15
5	Phorone	138	C9H14O	000504-20-1	11





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Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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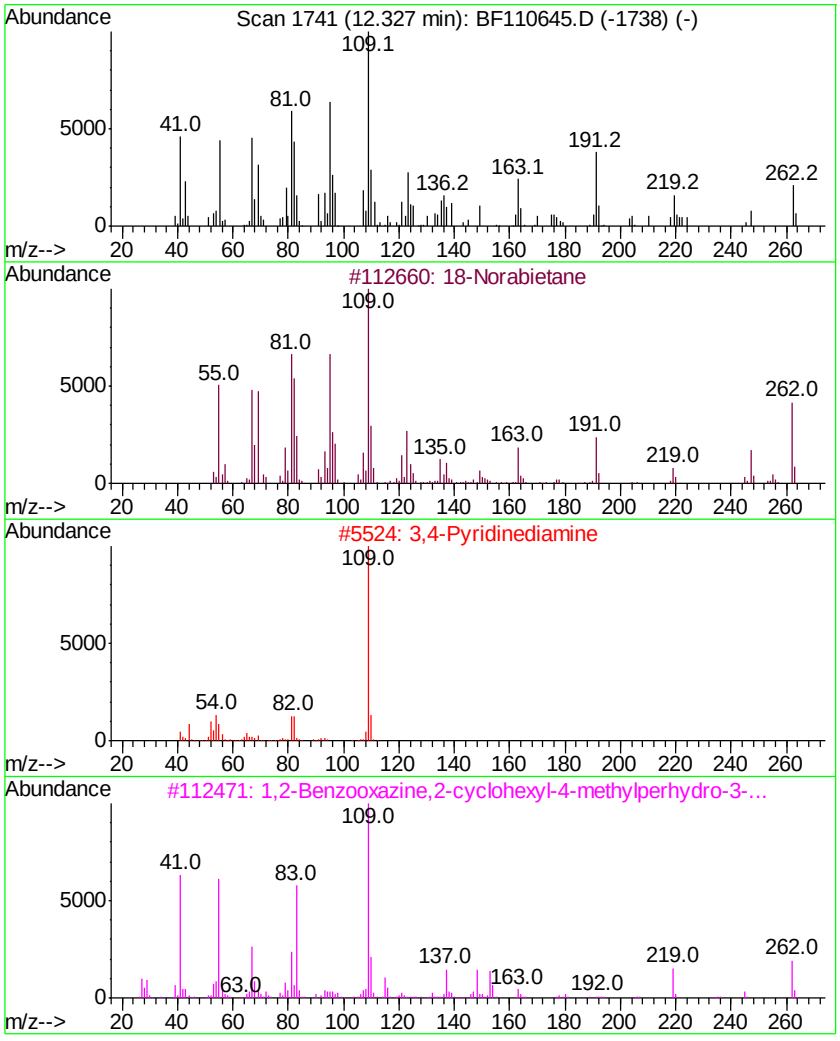
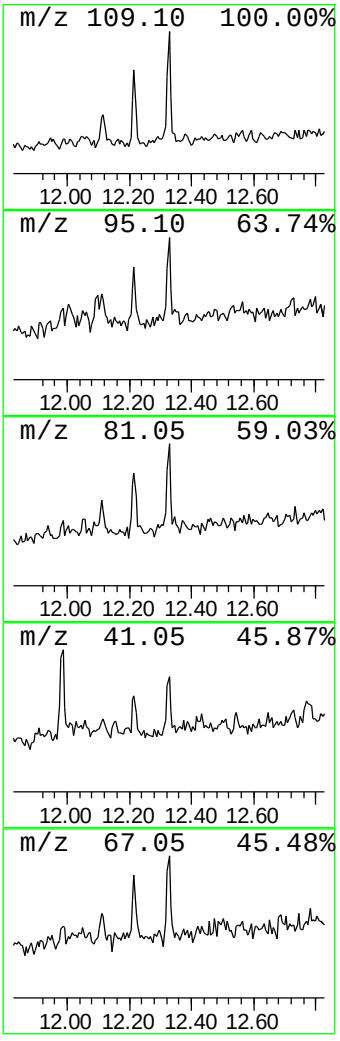
Peak Number 10 18-Norabietane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.09 ng	59193	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	97
2	3,4-Pyridinediamine	109	C5H7N3	000054-96-6	35
3	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30
4	6-Heptadecyne, 1-chloro-	270	C17H31Cl	056599-59-8	22
5	Pyrazol-4-amine, 1-(4-fluorobenz...	219	C12H14FN3	1000272-83-8	22





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Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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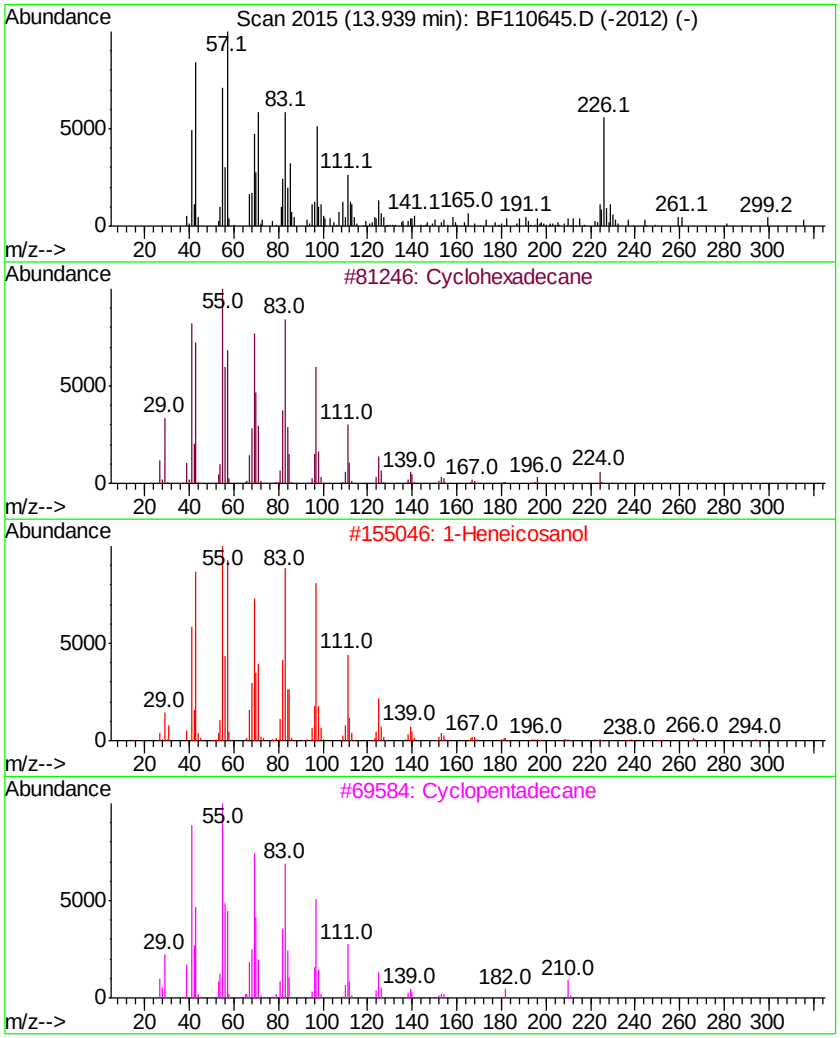
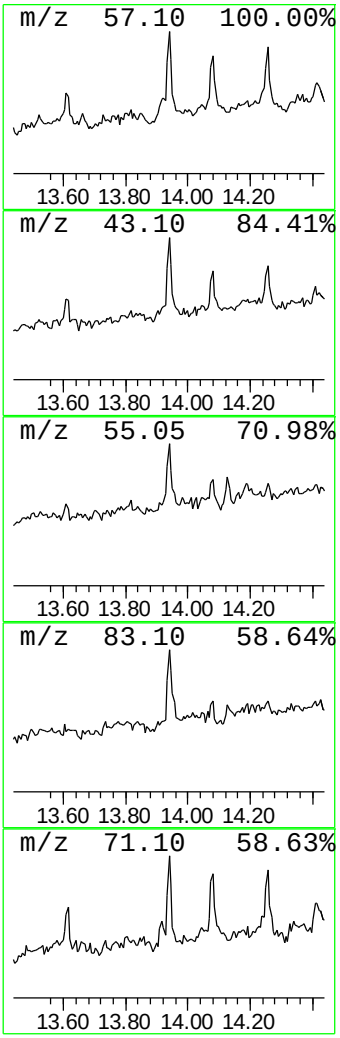
Peak Number 11 Cyclohexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	3.72 ng	118294	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	90
3	Cyclopentadecane	210	C15H30	000295-48-7	89
4	Trihexadecyl borate	735	C48H99BO3	002665-11-4	81
5	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110918\
Data File : BF110645.D
Acq On : 9 Nov 2018 23:25
Operator : JU/SJ
Sample : J5876-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48382-47191-47202

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
Butane, 2-methoxy...	2.28	5.0	ng	133325	1	6.95	528688	20.0
2-Pentanone, 4-hy...	5.20	4.4	ng	116993	1	6.95	528688	20.0
unknown6.72	6.72	102.5	ng	2708470	1	6.95	528688	20.0
Undecane, 3,5-dim...	10.62	2.6	ng	82316	3	9.99	643819	20.0
Tridecane, 2-methyl-	10.88	6.4	ng	181767	4	11.48	566662	20.0
Phenanthrene, 1-m...	11.98	4.0	ng	112441	4	11.48	566662	20.0
4H-Cyclopenta[def...	12.10	2.7	ng	76176	4	11.48	566662	20.0
unknown12.22	12.22	2.8	ng	80567	4	11.48	566662	20.0
18-Norabietane	12.33	2.1	ng	59193	4	11.48	566662	20.0
Cyclohexadecane	13.94	3.7	ng	118294	5	14.13	636463	20.0