LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103302.D
Acq On : 28 Feb 2018 19:24
Operator : SJ/JU
Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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	2.152	5	11	18	rVB	296630	400599	10.45%	1.001%
2	5.110	511	514	526	rVB	121250	161816	4.22%	0.405%
3	5.498	576	580	594	rBV	3492079	3790765	98.86%	9.476%
4	6.510	747	752	767	rBV	3422031	3834564	100.00%	9.586%
5	6.645	771	775	778	rVV	3766514	3681857	96.02%	9.204%
6	6.692	781	783	789	rVB	48745	52434	1.37%	0.131%
7	6.875	810	814	820	rBV	1077308	997358	26.01%	2.493%
8	7.028	836	840	844	rBV	3049897	2831401	73.84%	7.078%
9	7.439	905	910	913	rBV	2580222	2544741	66.36%	6.361%
10	8.128	1023	1027	1028	rBV	74256	67915	1.77%	0.170%
11	8.157	1028	1032	1038	rVV	1344514	1367248	35.66%	3.418%
12	8.198	1038	1039	1043	rVB	51362	42188	1.10%	0.105%
13	8.439	1076	1080	1084	rVB5	36810	46572	1.21%	0.116%
14	8.657	1113	1117	1119	rBV	72343	62545	1.63%	0.156%
15	8.733	1127	1130	1134	rBV2	113172	93697	2.44%	0.234%
16	8.810	1141	1143	1150	rVB5	35515	48163	1.26%	0.120%
17	8.975	1168	1171	1173	rBV	72871	70368	1.84%	0.176%
18	9.092	1188	1191	1194	rBV3	42465	47843	1.25%	0.120%
19	9.163	1201	1203	1206	rBV	56714	42066	1.10%	0.105%
20	9.228	1210	1214	1223	rVV	3464170	3431561	89.49%	8.578%
21	9.298	1223	1226	1229	rVV	216588	187658	4.89%	0.469%
22	9.333	1229	1232	1235	rVV3	38001	52046	1.36%	0.130%
23	9.375	1237	1239	1242	rVB	47020	43165	1.13%	0.108%
24	9.498	1255	1260	1264	rVB6	26517	48091	1.25%	0.120%
25	9.575	1264	1273	1275	rBV8	49056	118941	3.10%	0.297%
26	9.622	1277	1281	1288	rVB	360311	401607	10.47%	1.004%
27	9.681	1288	1291	1294	rBV3	44755	48783	1.27%	0.122%
28	9.775	1303	1307	1310	rBV	76151	83426	2.18%	0.209%
29	9.828	1313	1316	1320	rVB	299534	244543	6.38%	0.611%
30	9.910	1327	1330	1339	rVB	1350236	1302376	33.96%	3.256%
31	10.057	1352	1355	1358	rBV2	30890	45499	1.19%	0.114%
32	10.116	1362	1365	1368	rVB3	64452	66147	1.73%	0.165%
33	10.151	1368	1371	1375	rBV2	80955	87088	2.27%	0.218%
34	10.186	1375	1377	1381	rVB	45718	38780	1.01%	0.097%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.222	1381	1383	1387	rBV5	40916	62706	1.64%	0.157%
36	10.328	1395	1401	1404	rBV	350717	311707	8.13%	0.779%
37	10.545	1434	1438	1441	rBV	100151	121584	3.17%	0.304%
38	10.704	1461	1465	1475	rBV	1769746	1901470	49.59%	4.753%
39	10.804	1479	1482	1487	rBV	259285	309590	8.07%	0.774%
40	11.251	1555	1558	1560	rBV	189566	144623	3.77%	0.362%
41	11.280	1560	1563	1565	rVB	70675	66284	1.73%	0.166%
42	11.404	1580	1584	1586	rBV	1184723	1070255	27.91%	2.675%
43	11.427	1586	1588	1593	rVV	319519	277712	7.24%	0.694%
44	11.480	1594	1597	1602	rVB	85831	91628	2.39%	0.229%
45	11.633	1620	1623	1628	rBV5	34600	56045	1.46%	0.140%
46	11.674	1628	1630	1636	rVB2	117168	111902	2.92%	0.280%
47	11.916	1667	1671	1673	rBV2	111975	142138	3.71%	0.355%
48	11.933	1673	1674	1679	rVB2	87475	68423	1.78%	0.171%
49	12.022	1685	1689	1691	rBV2	108359	115126	3.00%	0.288%
50	12.086	1697	1700	1703	rBV	116961	97824	2.55%	0.245%
51	12.239	1723	1726	1732	rVB6	44493	50955	1.33%	0.127%
52	12.474	1764	1766	1771	rVB	71789	66237	1.73%	0.166%
53	12.551	1775	1779	1782	rBV2	71121	88992	2.32%	0.222%
54	12.621	1787	1791	1795	rBV	956223	812685	21.19%	2.032%
55	12.851	1823	1830	1836	rBV	810002	905395	23.61%	2.263%
56	12.898	1836	1838	1842	rVB2	47207	47460	1.24%	0.119%
57	12.986	1849	1853	1857	rBV	2076750	2073866	54.08%	5.184%
58	13.074	1863	1868	1871	rBV3	50785	83979	2.19%	0.210%
59	13.157	1879	1882	1883	rBV2	39923	47687	1.24%	0.119%
60	13.180	1884	1886	1888	rVB	95307	72676	1.90%	0.182%
61	13.245	1894	1897	1900	rBV2	65345	48548	1.27%	0.121%
62	13.286	1900	1904	1907	rBV2	66477	84149	2.19%	0.210%
63	13.692	1971	1973	1978	rVB	73104	71714	1.87%	0.179%
64	13.804	1989	1992	1994	rBV	57105	55630	1.45%	0.139%
65	13.827	1994	1996	1998	rVV	65650	46800	1.22%	0.117%
66	13.868	1998	2003	2007	rVV3	175802	244460	6.38%	0.611%
67	13.904	2007	2009	2012	rVB	70230	59687	1.56%	0.149%
68	14.010	2025	2027	2029	rBV	67918	57123	1.49%	0.143%
69	14.051	2029	2034	2037	rVV2	888961	1240841	32.36%	3.102%
70	14.080	2037	2039	2045	rVB	383000	345470	9.01%	0.864%
71	15.115	2211	2215	2218	rBV	358453	531098	13.85%	1.328%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : RO-242

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.227	2231	2234	2239	rBV	77769	96822	2.52%	0.242%
73	15.427	2265	2268	2274	rVB	214490	254987	6.65%	0.637%
74	15.492	2275	2279	2283	rVB	285165	350436	9.14%	0.876%
75	15.557	2285	2290	2293	rBV	508592	650228	16.96%	1.625%
76	17.080	2544	2549	2558	rVB2	131973	282787	7.37%	0.707%

Sum of corrected areas: 40003580

LSC Report - Integrated Chromatogram

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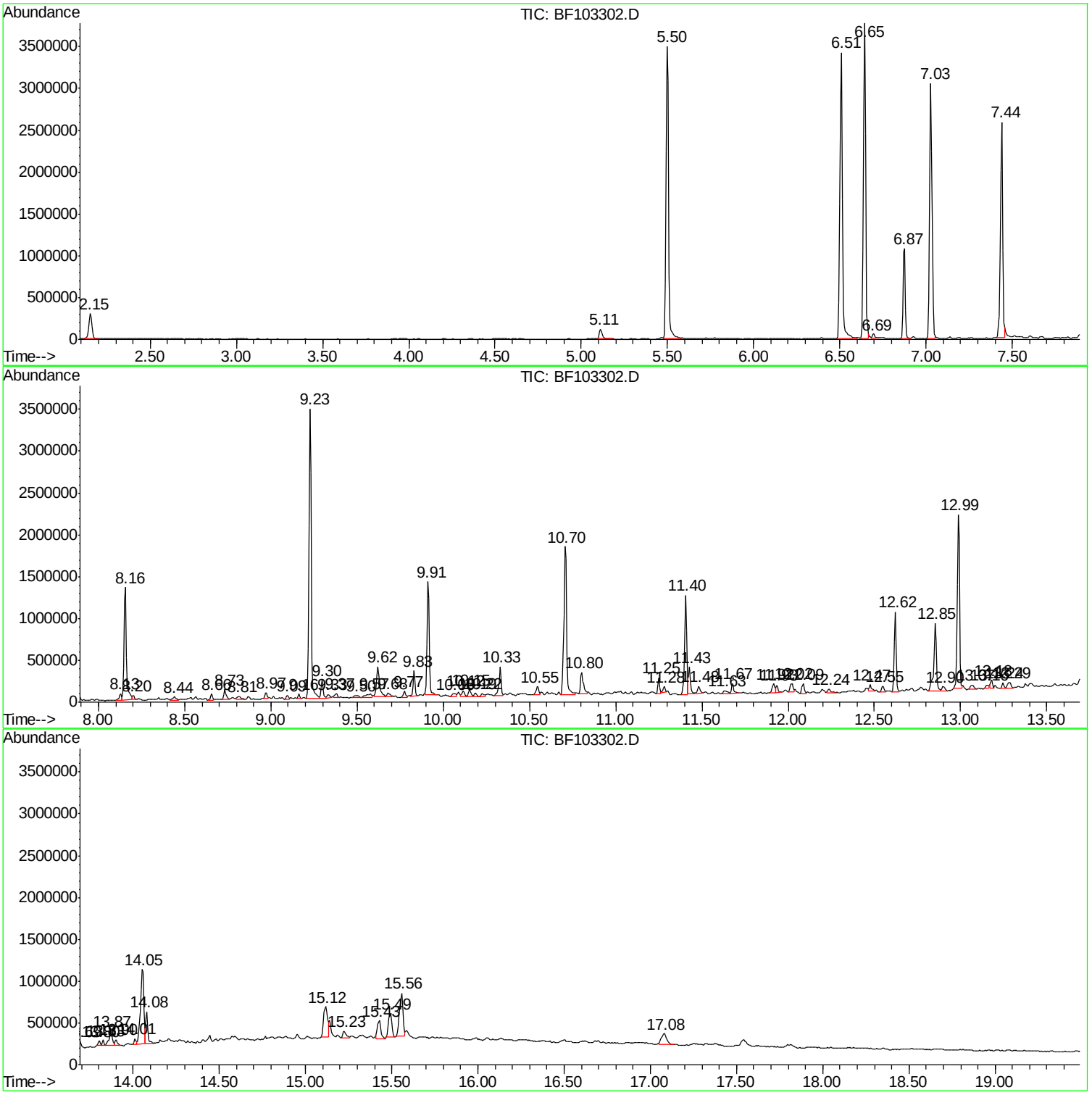
Operator : SJ/JU
Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103302.D
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Operator : SJ/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

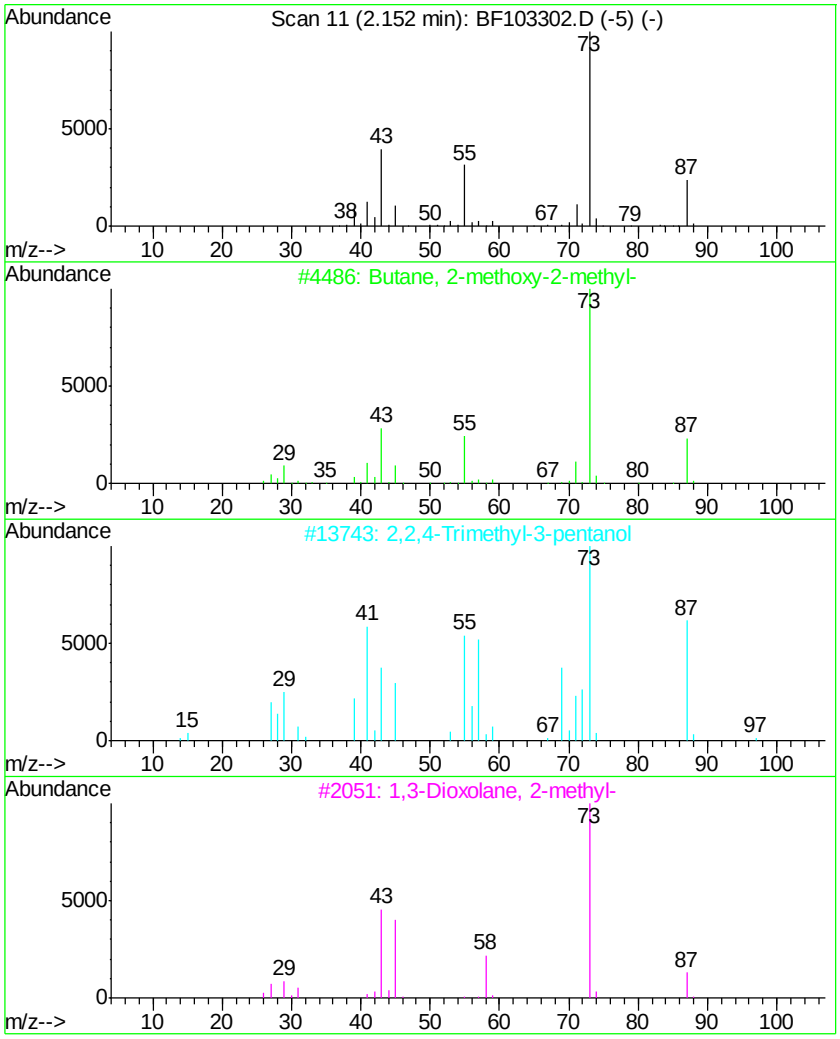
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

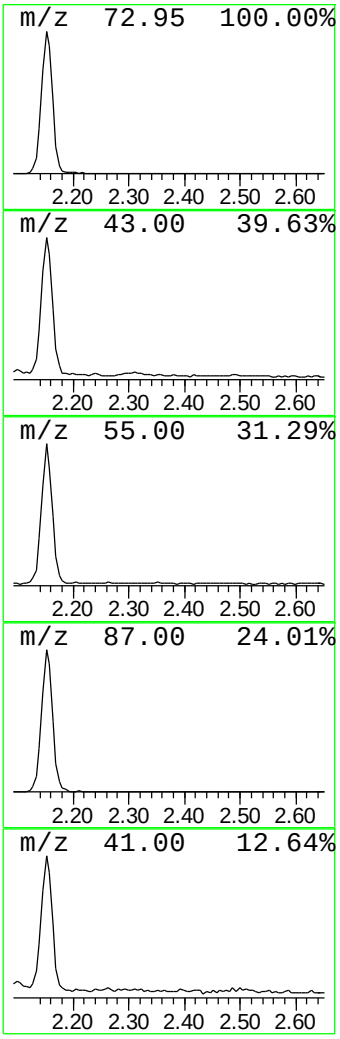
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	8.03 ng	400599	1,4-Dichlorobenzene-d4	6.87

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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Operator : SJ/JU
Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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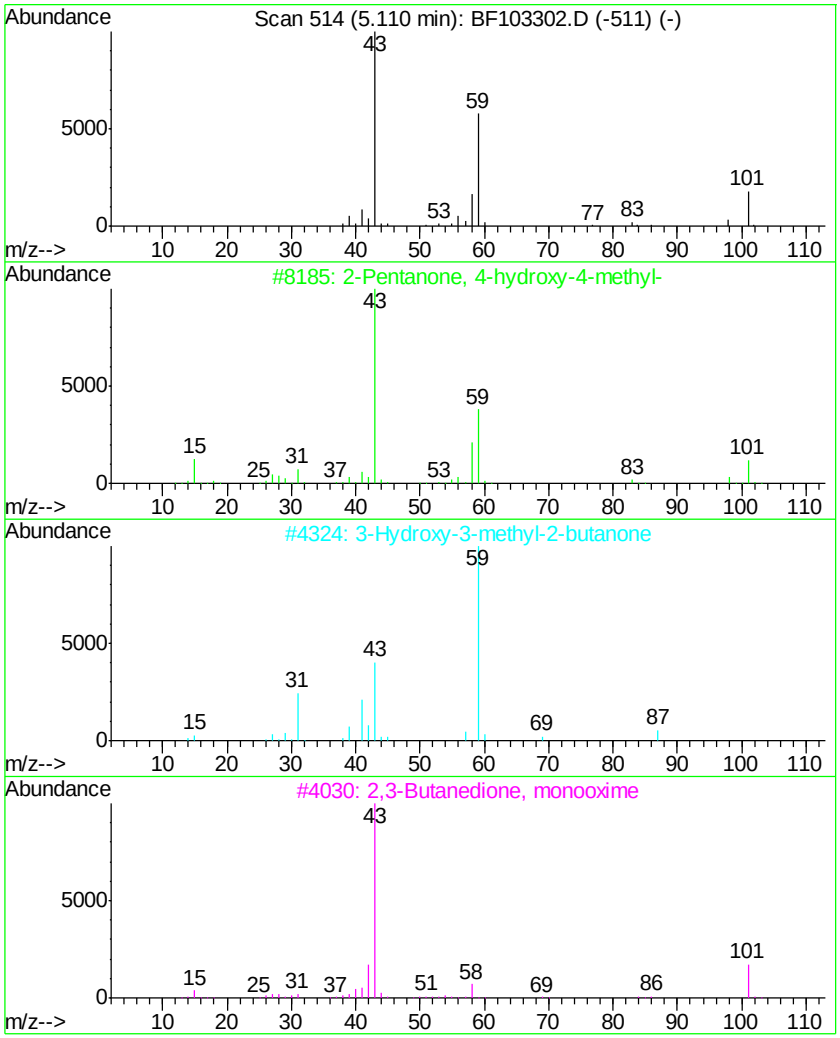
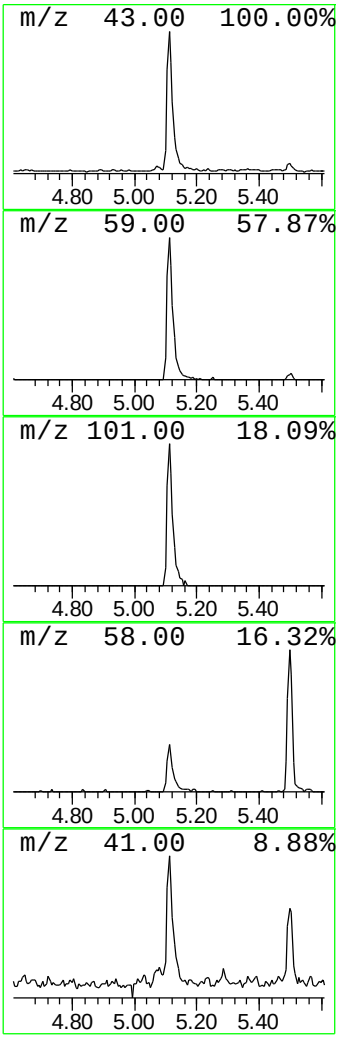
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	3.24 ng	161816	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9





Library Search Compound Report

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Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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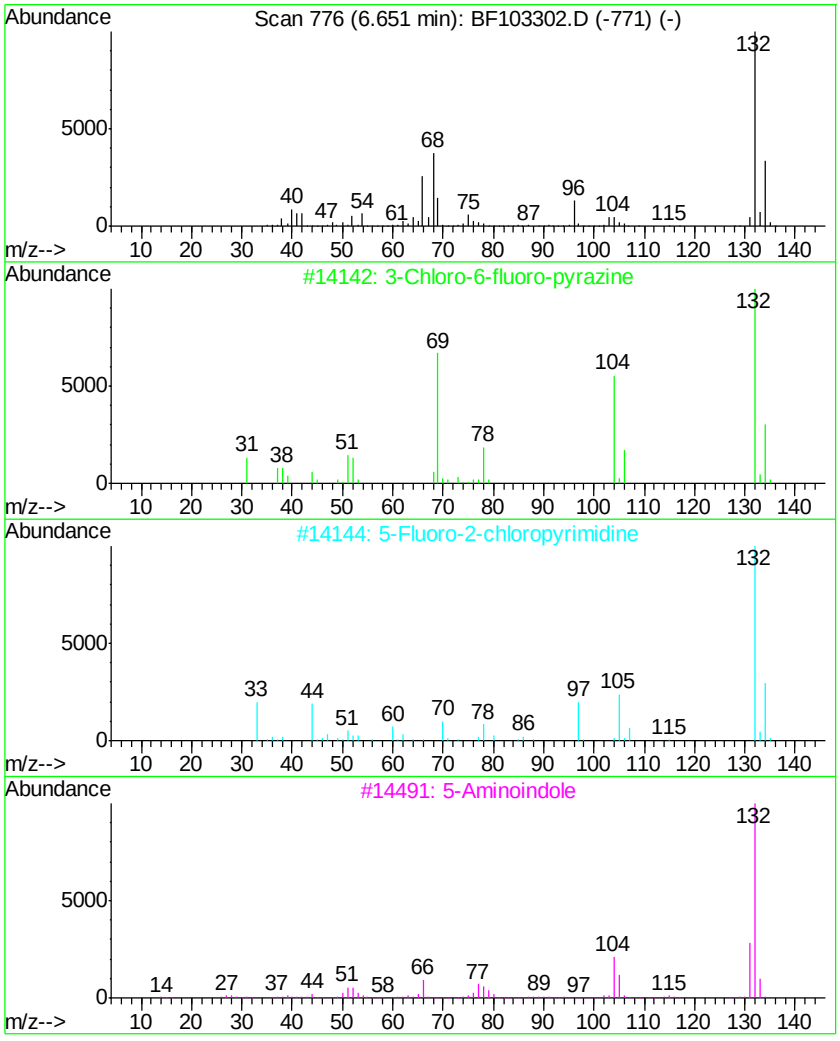
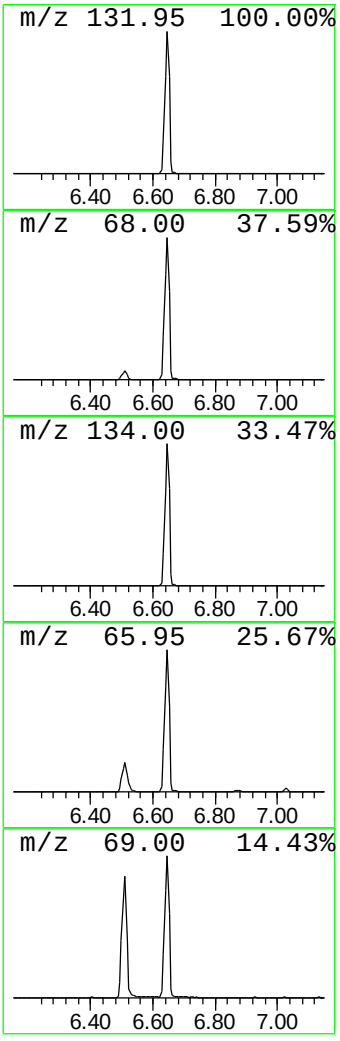
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	73.83 ng	3681860	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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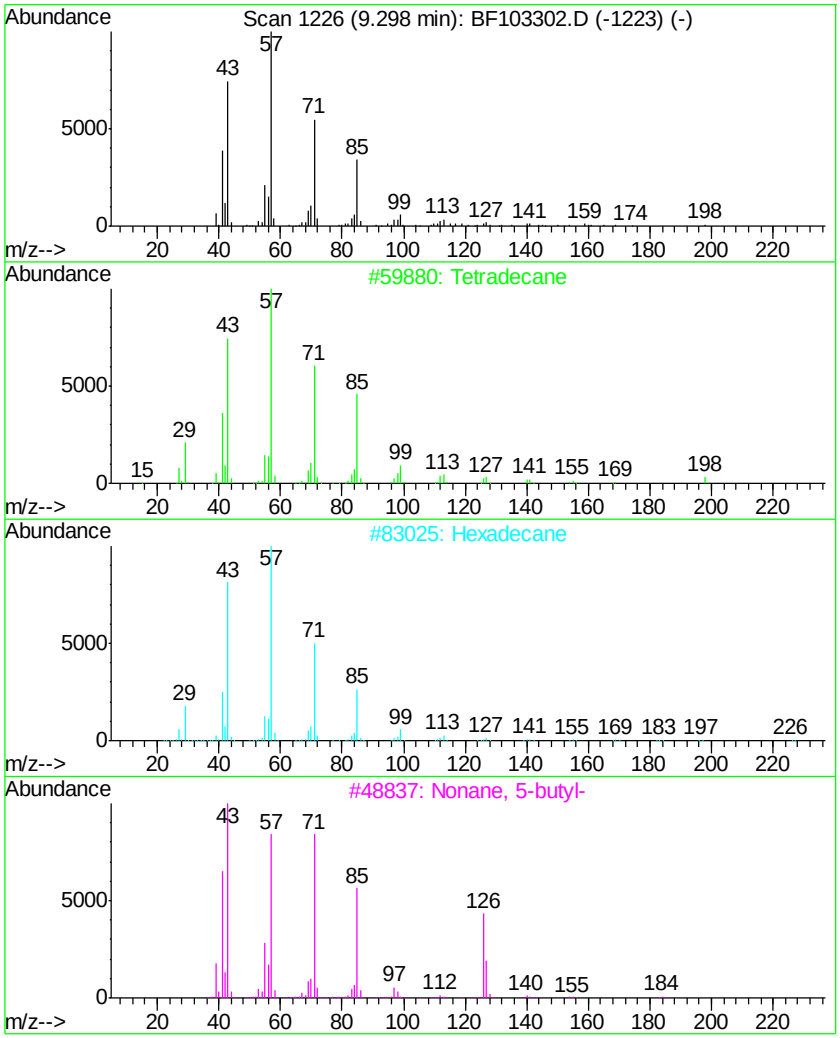
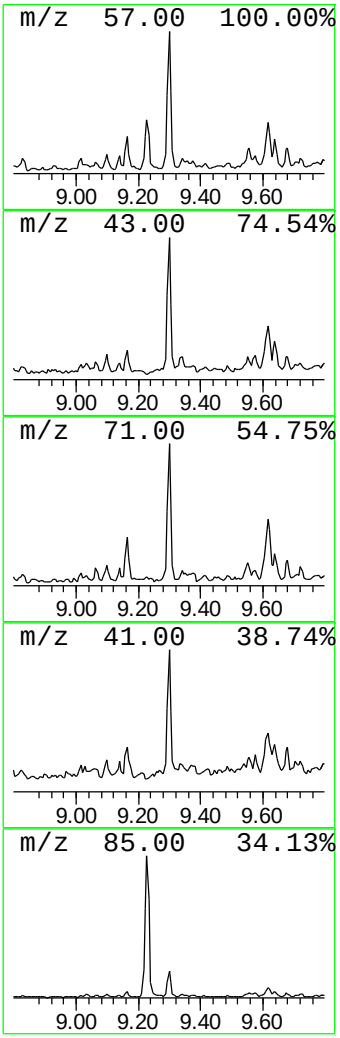
Peak Number 5 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	2.88 ng	187658	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	86
4	Pentadecane	212	C15H32	000629-62-9	83
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	78





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : RO-242

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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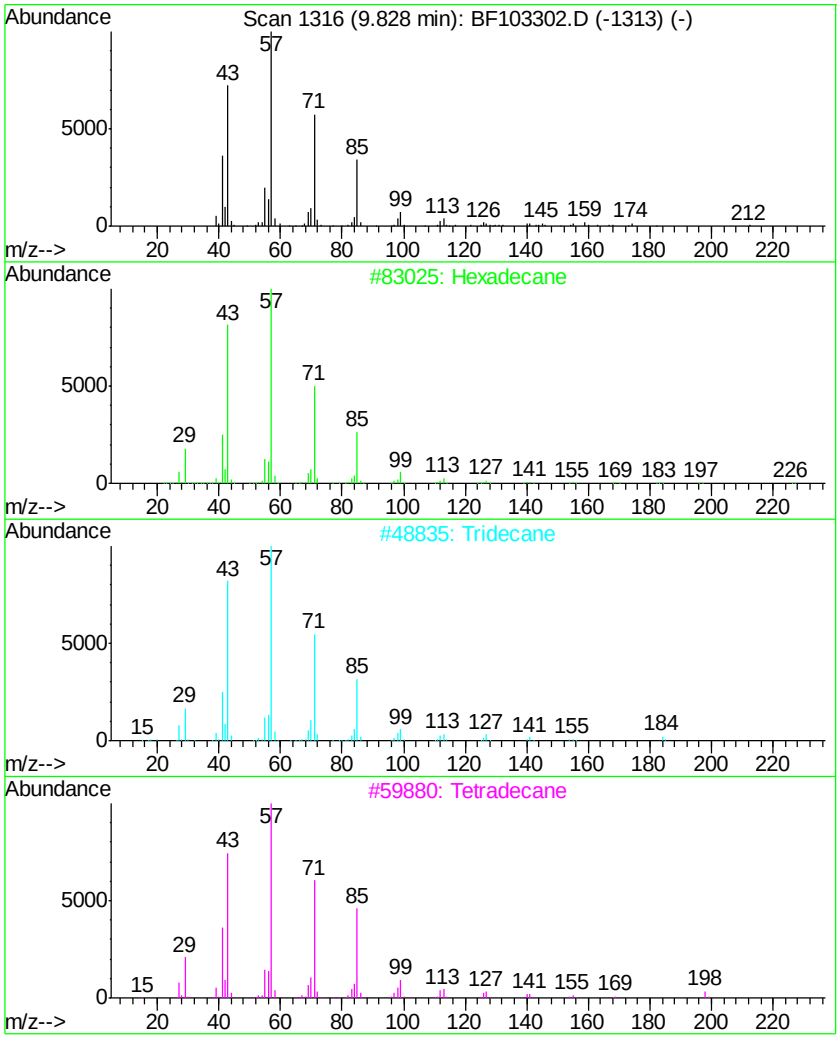
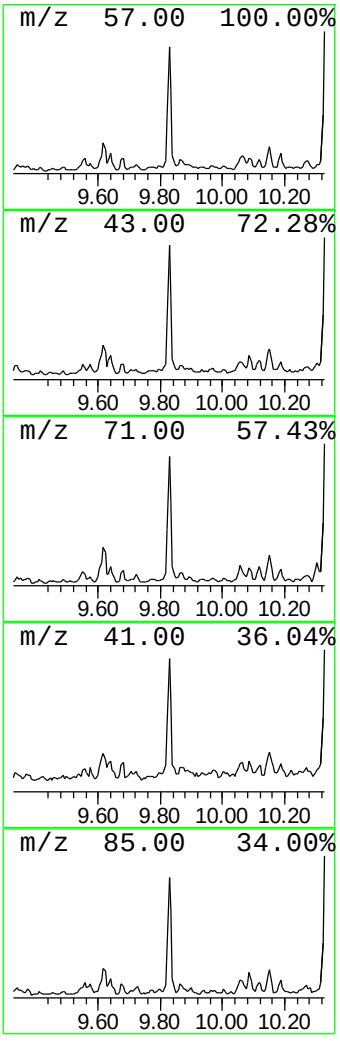
Peak Number 6 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	3.76 ng	244543	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Heptadecane	240	C17H36	000629-78-7	83
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	64





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Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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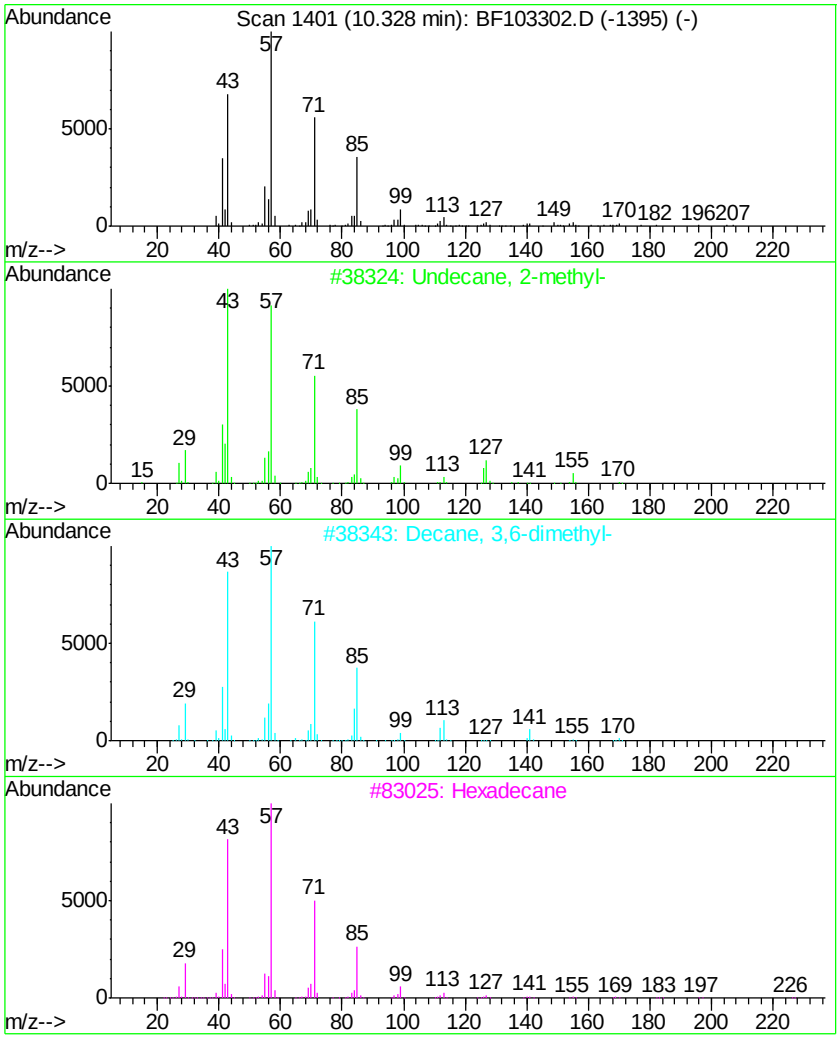
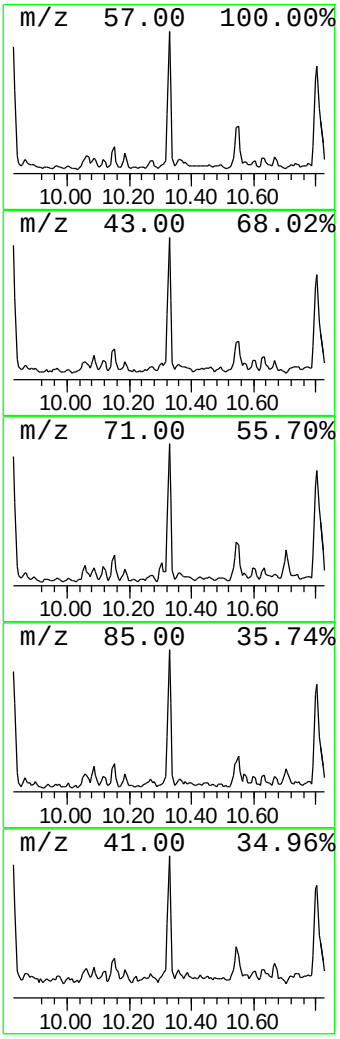
Peak Number 7 Undecane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	4.79 ng	311707	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	90
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tridecane	184	C13H28	000629-50-5	86





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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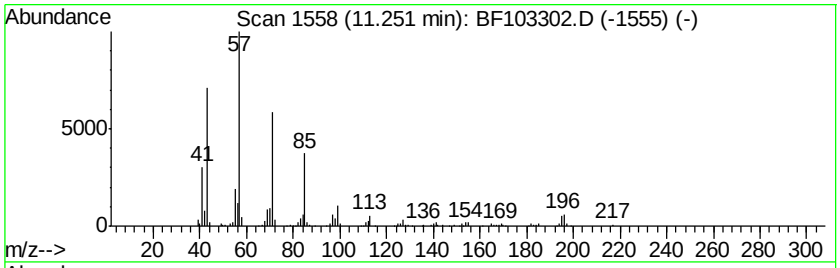
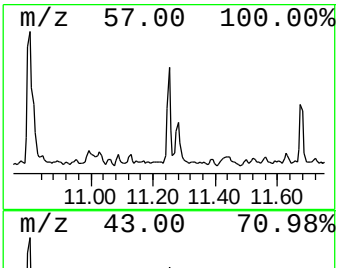
Peak Number 9 Nonane, 5-butyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.70 ng	144623	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	92
2	Heptadecane	240	C17H36	000629-78-7	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	Tetradecane	198	C14H30	000629-59-4	80
5	Octadecane	254	C18H38	000593-45-3	80





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Acq On : 28 Feb 2018 19:24
Operator : SJ/JU
Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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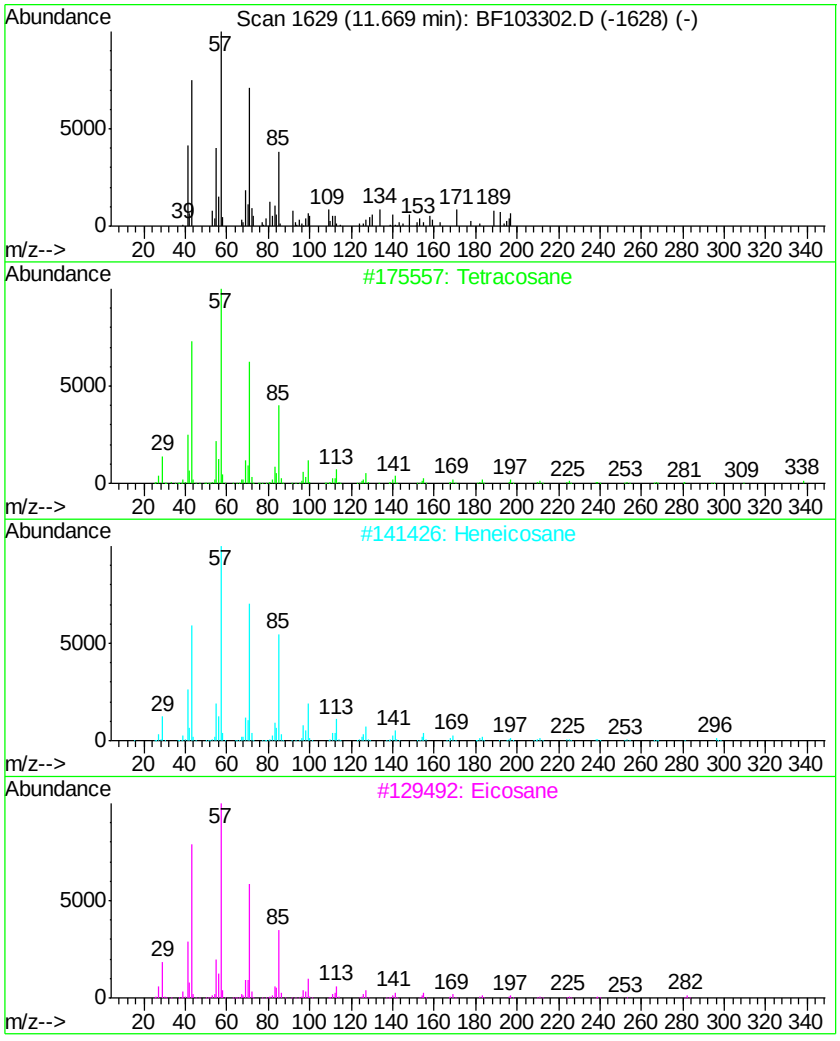
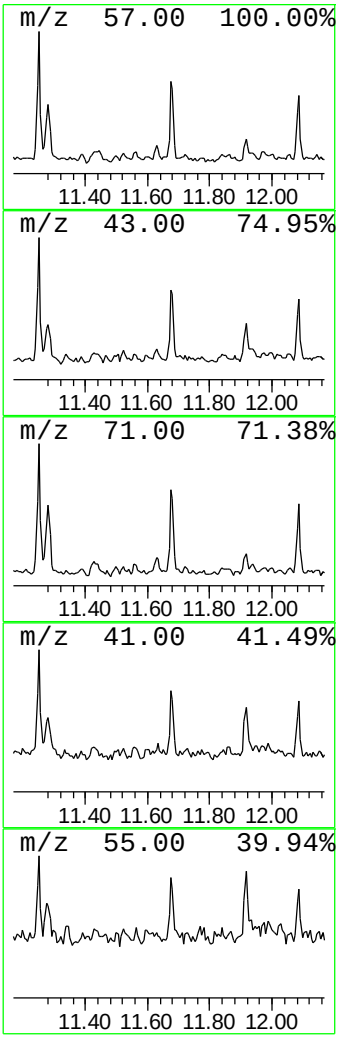
Peak Number 10 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	2.09 ng	111902	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Eicosane	282	C20H42	000112-95-8	78
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





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Sample : J1710-01
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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

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TIC Integration Parameters: LSCINT.P

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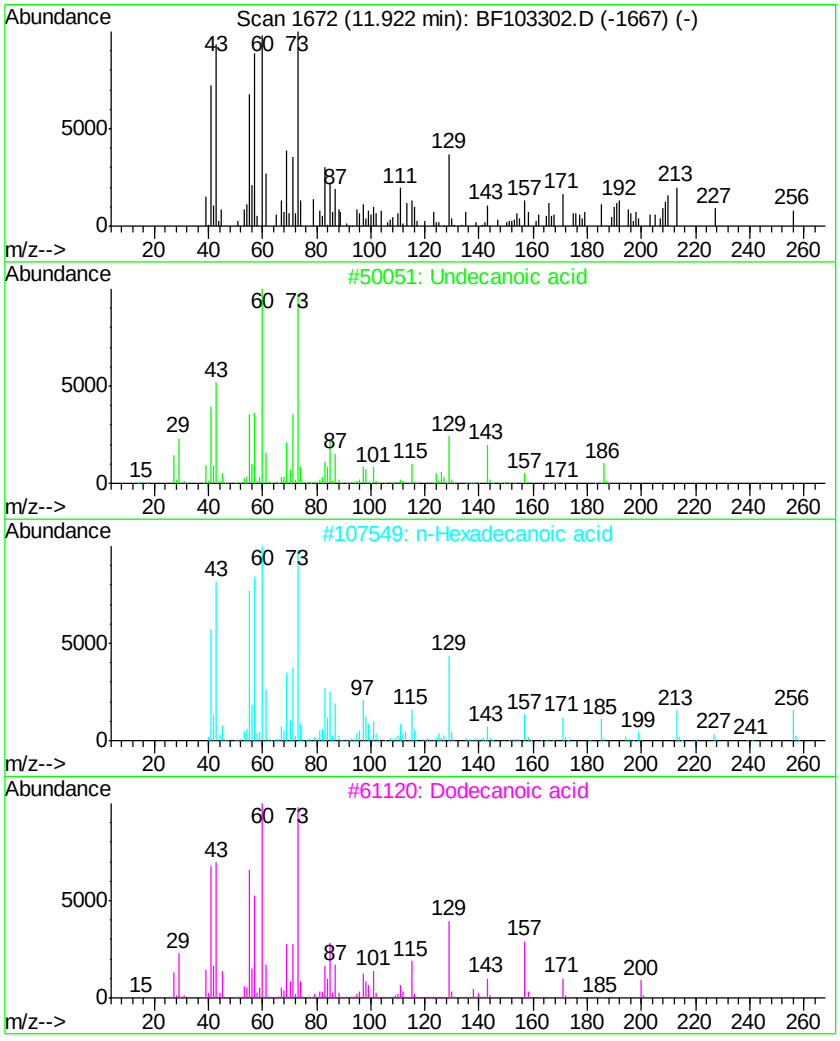
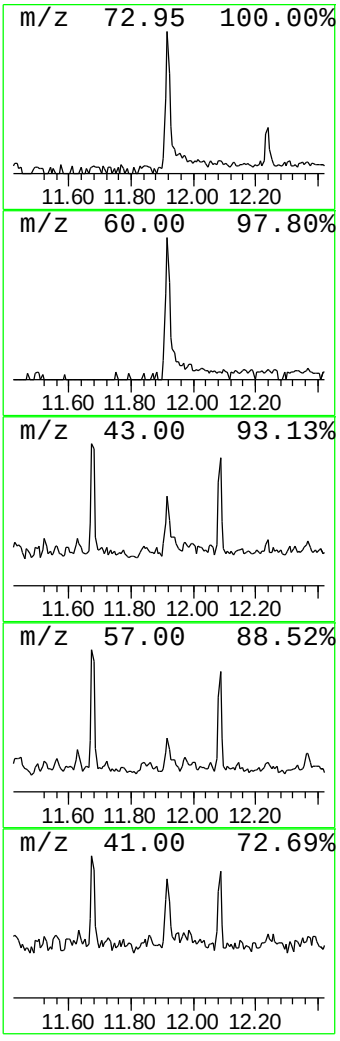
Peak Number 11 Undecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.66 ng	142138	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	81
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
3	Dodecanoic acid	200	C12H24O2	000143-07-7	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Tridecanoic acid	214	C13H26O2	000638-53-9	46





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Sample : J1710-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
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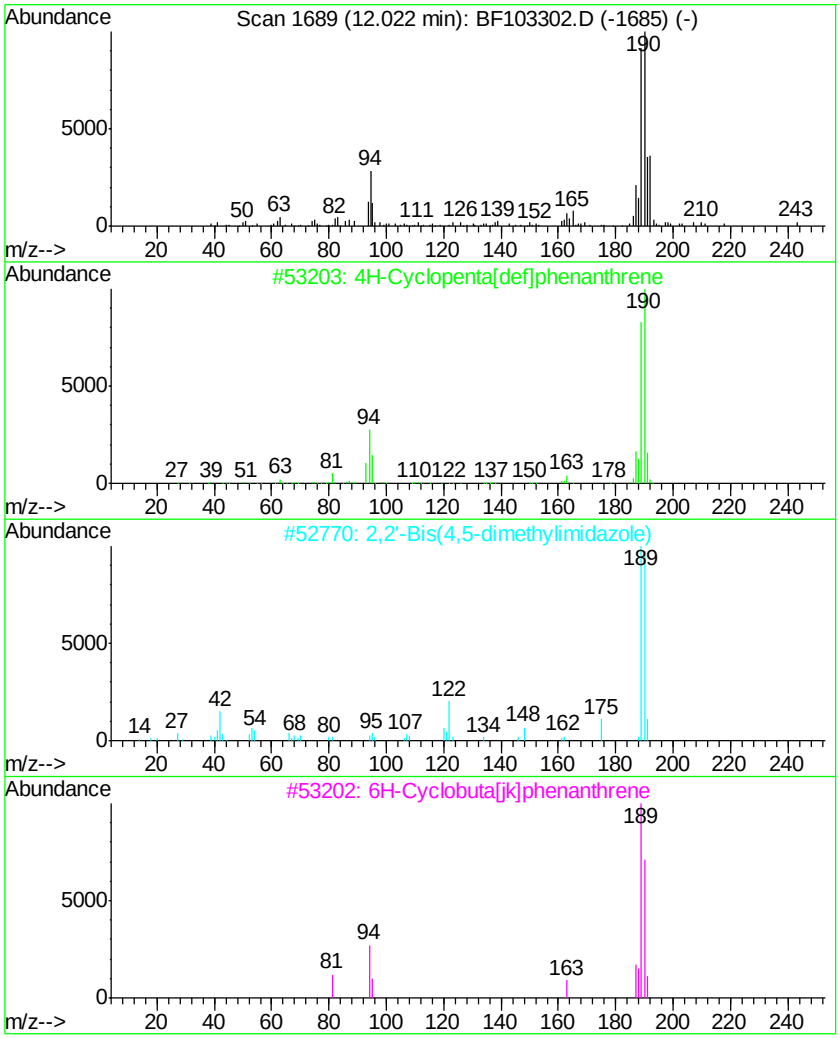
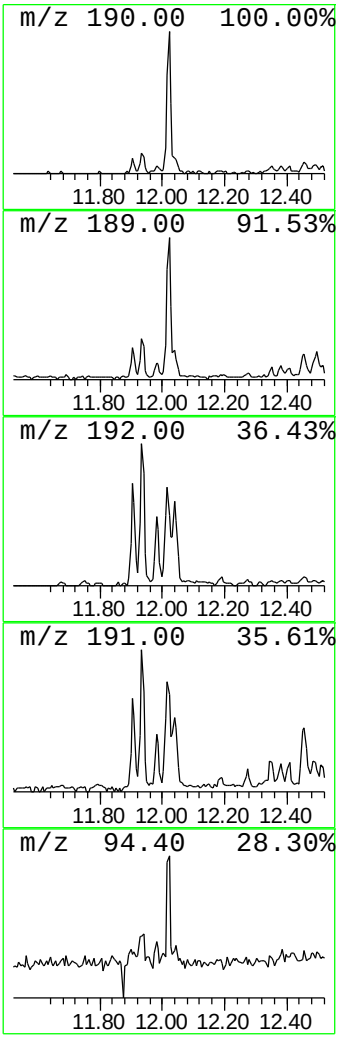
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.15 ng	115126	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	25
4	Megastigmatrienone	190	C13H18O	038818-55-2	18
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-242

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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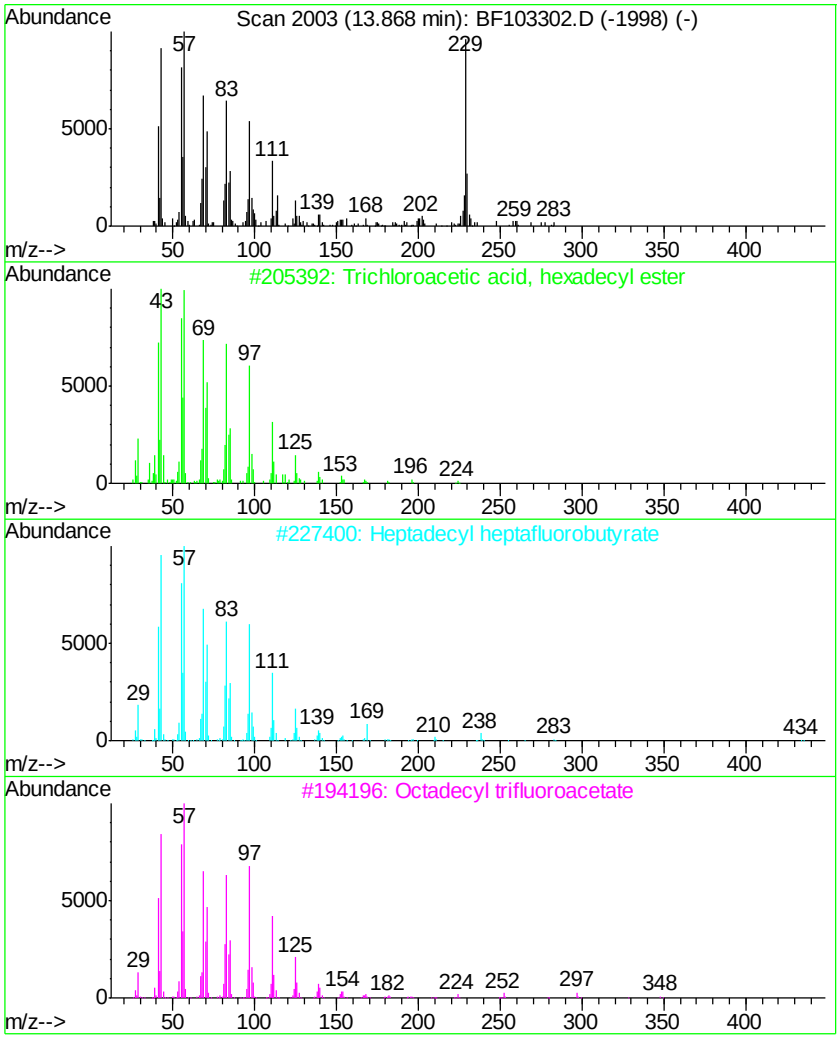
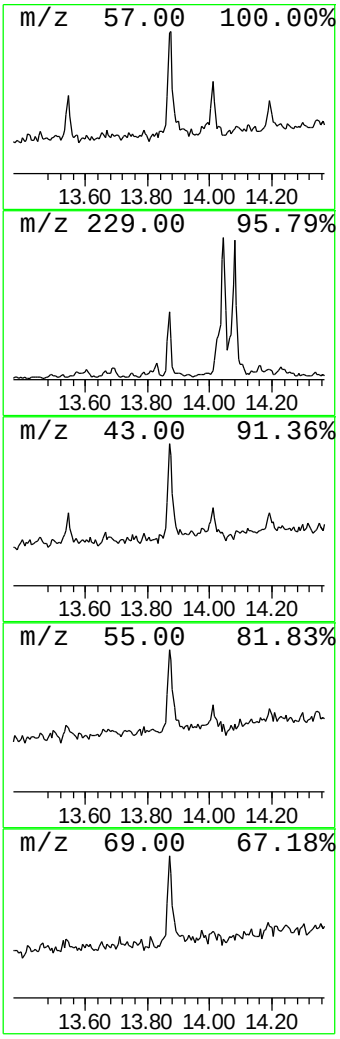
Peak Number 13 Trichloroacetic acid, hexad... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.94 ng	244460	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	78
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	60
3	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	60
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	60
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	60





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
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TIC Integration Parameters: LSCINT.P

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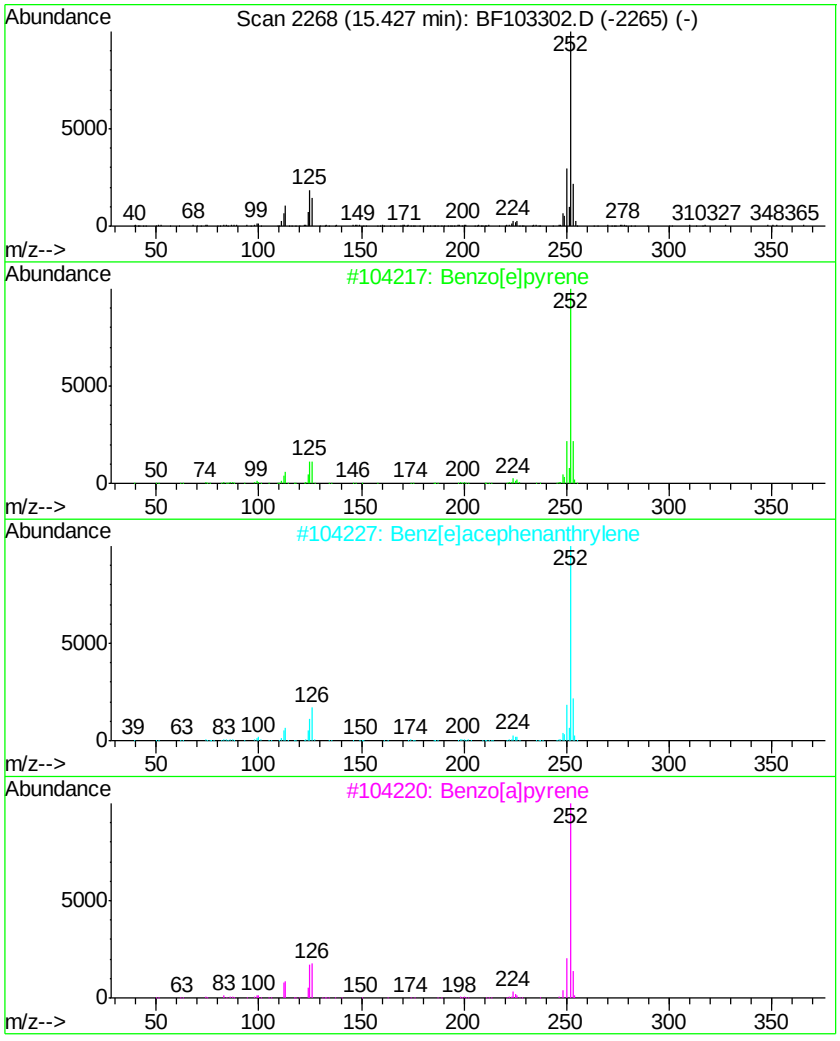
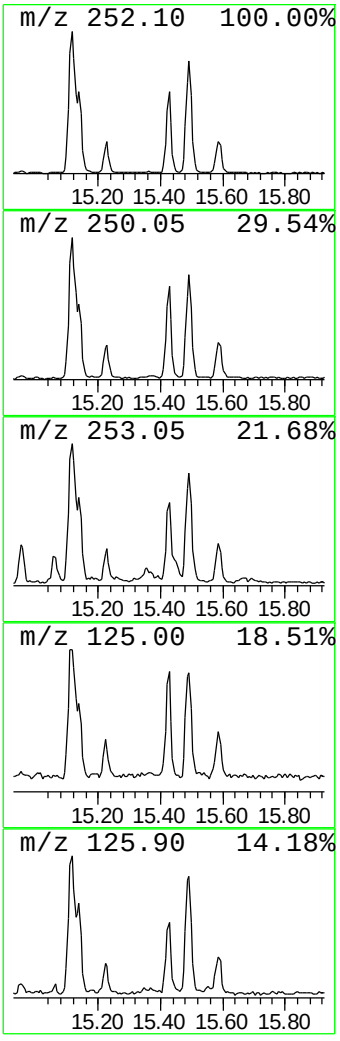
Peak Number 15 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	7.84 ng	254987	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF022818\
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Operator : SJ/JU
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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...	2.15	8.0	ng	400599	1	6.87	997358	20.0
2-Pentanone, 4-hy...	5.11	3.2	ng	161816	1	6.87	997358	20.0
unknown6.65	6.65	73.8	ng	3681860	1	6.87	997358	20.0
Tetradecane	9.30	2.9	ng	187658	3	9.91	1302380	20.0
Hexadecane	9.83	3.8	ng	244543	3	9.91	1302380	20.0
Undecane, 2-methyl-	10.33	4.8	ng	311707	3	9.91	1302380	20.0
Nonane, 5-butyl-	11.25	2.7	ng	144623	4	11.40	1070260	20.0
Tetracosane	11.67	2.1	ng	111902	4	11.40	1070260	20.0
Undecanoic acid	11.92	2.7	ng	142138	4	11.40	1070260	20.0
4H-Cyclopenta[def...	12.02	2.1	ng	115126	4	11.40	1070260	20.0
Trichloroacetic a...	13.87	3.9	ng	244460	5	14.06	1240840	20.0
Benzo[e]pyrene	15.43	7.8	ng	254987	6	15.56	650228	20.0