LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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	2.287	30	34	51	rVB	139669	232884	8.90%	0.937%
2	5.198	525	529	539	rBV	74423	107697	4.12%	0.434%
3	5.569	588	592	612	rBV	2282522	2430271	92.93%	9.783%
4	6.575	757	763	772	rBV	2349377	2615285	100.00%	10.528%
5	6.716	782	787	790	rBV	2792759	2552553	97.60%	10.275%
6	6.945	822	826	832	rBV	629641	580346	22.19%	2.336%
7	7.098	848	852	866	rBV	2070453	1941757	74.25%	7.817%
8	7.510	917	922	925	rBV	1554528	1580110	60.42%	6.361%
9	8.228	1040	1044	1058	rBV	700887	744546	28.47%	2.997%
10	9.298	1221	1226	1229	rBV	2909041	2418582	92.48%	9.736%
11	9.692	1289	1293	1300	rVB	298564	282880	10.82%	1.139%
12	9.986	1339	1343	1347	rBV	750326	723709	27.67%	2.913%
13	10.780	1473	1478	1490	rBV	1306023	1354896	51.81%	5.454%
14	11.480	1593	1597	1599	rBV	577972	578631	22.12%	2.329%
15	11.504	1599	1601	1605	rVB	108120	93603	3.58%	0.377%
16	11.980	1679	1682	1685	rBV	144358	131934	5.04%	0.531%
17	12.010	1685	1687	1692	rVB2	60930	54061	2.07%	0.218%
18	12.092	1698	1701	1703	rBV2	69196	73914	2.83%	0.298%
19	12.116	1703	1705	1709	rVB	57750	46723	1.79%	0.188%
20	12.274	1728	1732	1735	rBV	40118	37555	1.44%	0.151%
21	12.421	1752	1757	1760	rBV3	25985	30858	1.18%	0.124%
22	12.527	1772	1775	1778	rBV	72773	76304	2.92%	0.307%
23	12.627	1787	1792	1798	rVB4	30416	60155	2.30%	0.242%
24	12.698	1800	1804	1807	rBV	187561	187203	7.16%	0.754%
25	12.763	1812	1815	1819	rBV4	37904	43158	1.65%	0.174%
26	12.910	1837	1840	1841	rBV	61367	56153	2.15%	0.226%
27	12.927	1841	1843	1848	rVV	280893	266771	10.20%	1.074%
28	12.974	1848	1851	1855	rVB2	35771	39727	1.52%	0.160%
29	13.057	1861	1865	1869	rBV	1570395	1495381	57.18%	6.020%
30	13.145	1876	1880	1885	rBV2	46117	80524	3.08%	0.324%
31	13.257	1896	1899	1904	rVB	68602	83616	3.20%	0.337%
32	13.321	1904	1910	1912	rBV2	46704	54106	2.07%	0.218%
33	13.363	1912	1917	1919	rBV3	60901	74001	2.83%	0.298%
34	13.451	1930	1932	1935	rBV	56032	53084	2.03%	0.214%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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	13.486	1935	1938	1940	rVV	62852	56847	2.17%	0.229%
36	13.527	1940	1945	1948	rVV	174992	162010	6.19%	0.652%
37	13.739	1978	1981	1983	rBV4	23923	28103	1.07%	0.113%
38	13.768	1983	1986	1989	rVB2	42747	48178	1.84%	0.194%
39	13.880	2003	2005	2007	rBV	33989	29718	1.14%	0.120%
40	13.904	2007	2009	2011	rVV	48260	36484	1.40%	0.147%
41	13.933	2011	2014	2020	rVV4	108983	133691	5.11%	0.538%
42	13.980	2020	2022	2028	rVB	40861	47165	1.80%	0.190%
43	14.127	2042	2047	2050	rBV2	608868	756304	28.92%	3.045%
44	14.157	2050	2052	2058	rVB	214923	193123	7.38%	0.777%
45	14.239	2063	2066	2067	rBV	31788	31806	1.22%	0.128%
46	14.286	2072	2074	2082	rVB7	28538	57719	2.21%	0.232%
47	14.480	2104	2107	2109	rBV	30982	35316	1.35%	0.142%
48	14.515	2110	2113	2116	rVV	96410	90979	3.48%	0.366%
49	14.551	2116	2119	2123	rVV2	77767	95385	3.65%	0.384%
50	14.615	2128	2130	2133	rVB2	34632	29733	1.14%	0.120%
51	14.645	2133	2135	2137	rBV	56779	53936	2.06%	0.217%
52	14.874	2171	2174	2179	rVB	105155	112571	4.30%	0.453%
53	15.227	2226	2234	2238	rBV2	166954	333388	12.75%	1.342%
54	15.315	2247	2249	2254	rVB	36981	46054	1.76%	0.185%
55	15.527	2282	2285	2289	rVB	63692	71421	2.73%	0.288%
56	15.592	2292	2296	2298	rVV	105403	143635	5.49%	0.578%
57	15.621	2298	2301	2303	rVV	150470	188920	7.22%	0.761%
58	15.656	2303	2307	2311	rVB	313516	391635	14.97%	1.577%
59	16.074	2373	2378	2383	rVB	124306	184418	7.05%	0.742%
60	16.356	2422	2426	2430	rBV4	38385	65050	2.49%	0.262%
61	16.598	2463	2467	2476	rVB	72808	134494	5.14%	0.541%
62	17.227	2570	2574	2581	rVB4	51272	100462	3.84%	0.404%

Sum of corrected areas: 24841523

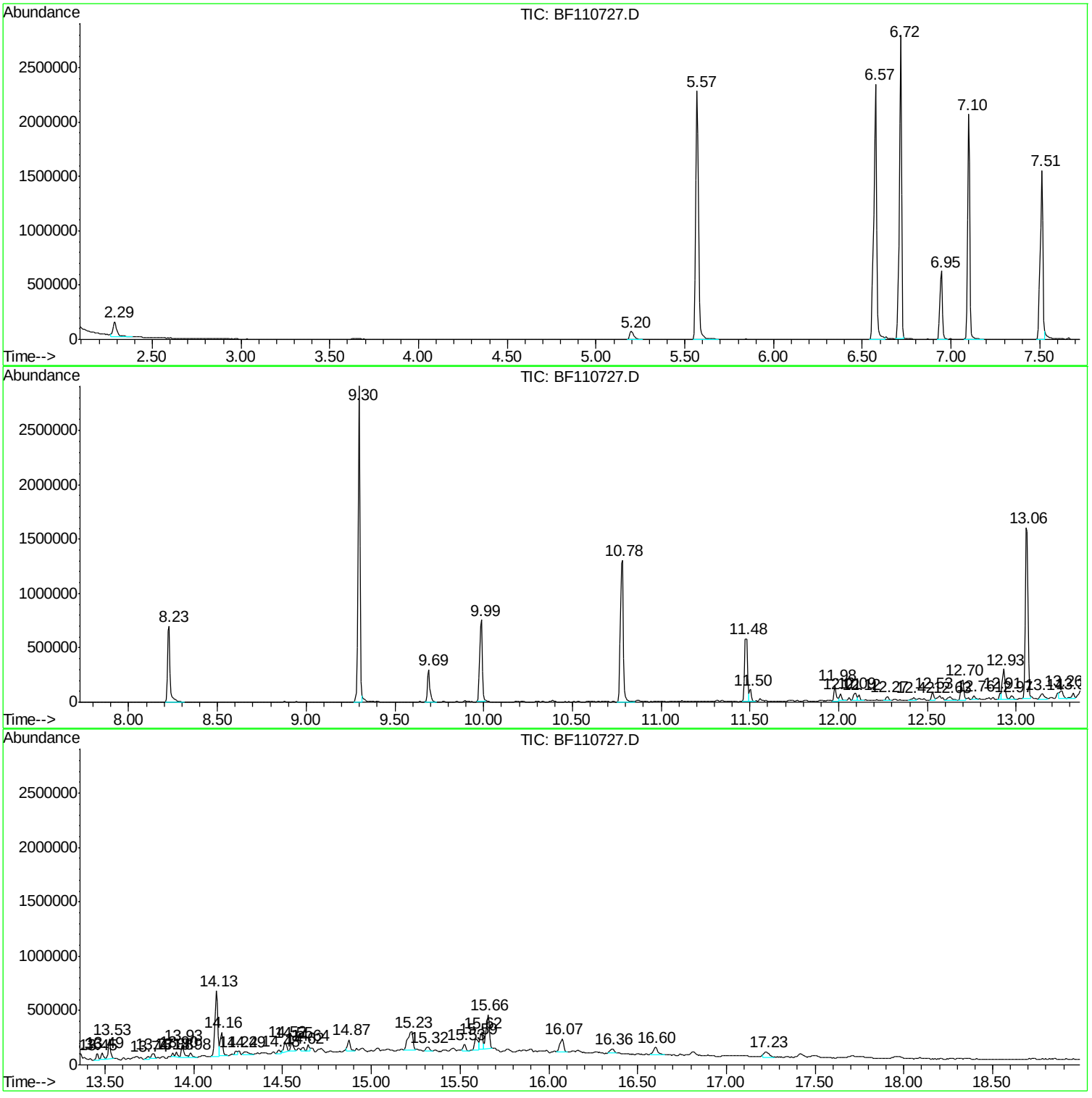
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

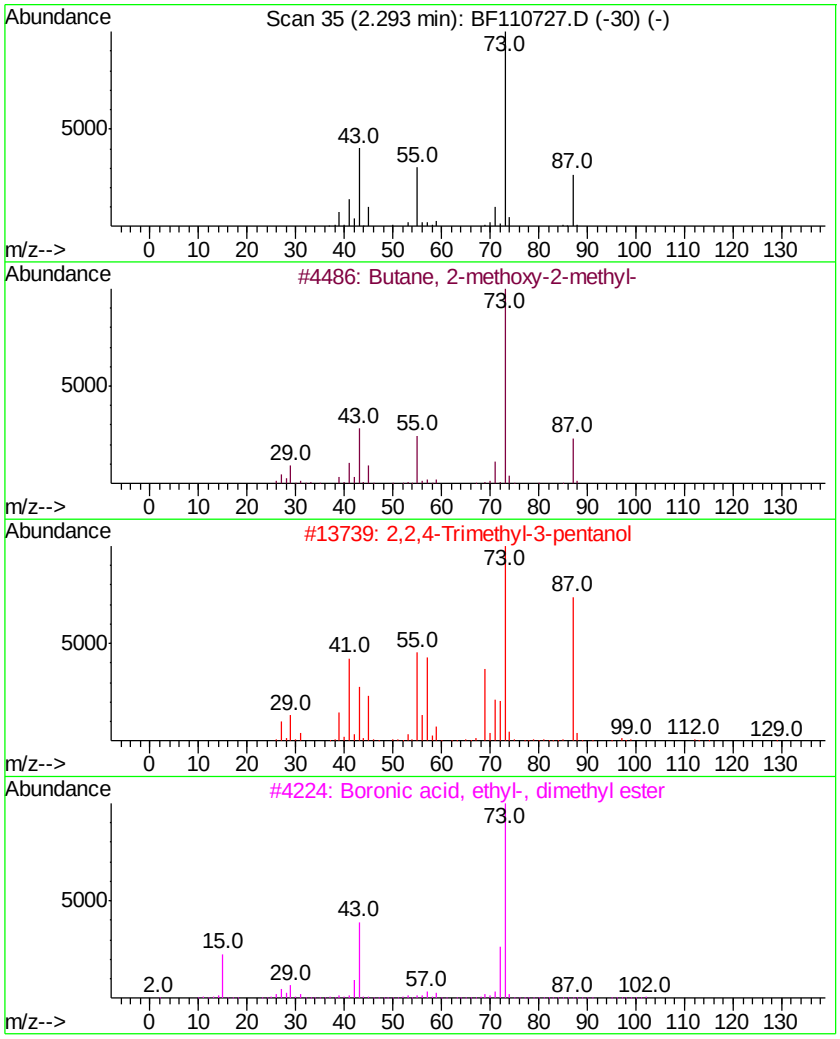
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

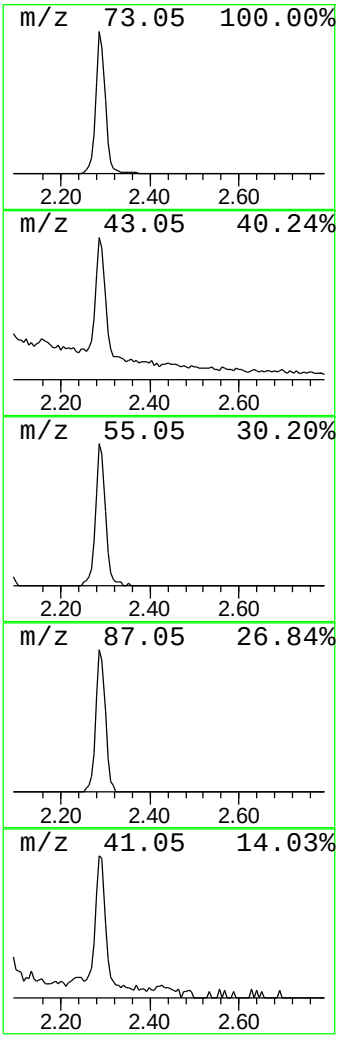
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.29	8.03 ng	232884	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	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	17
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

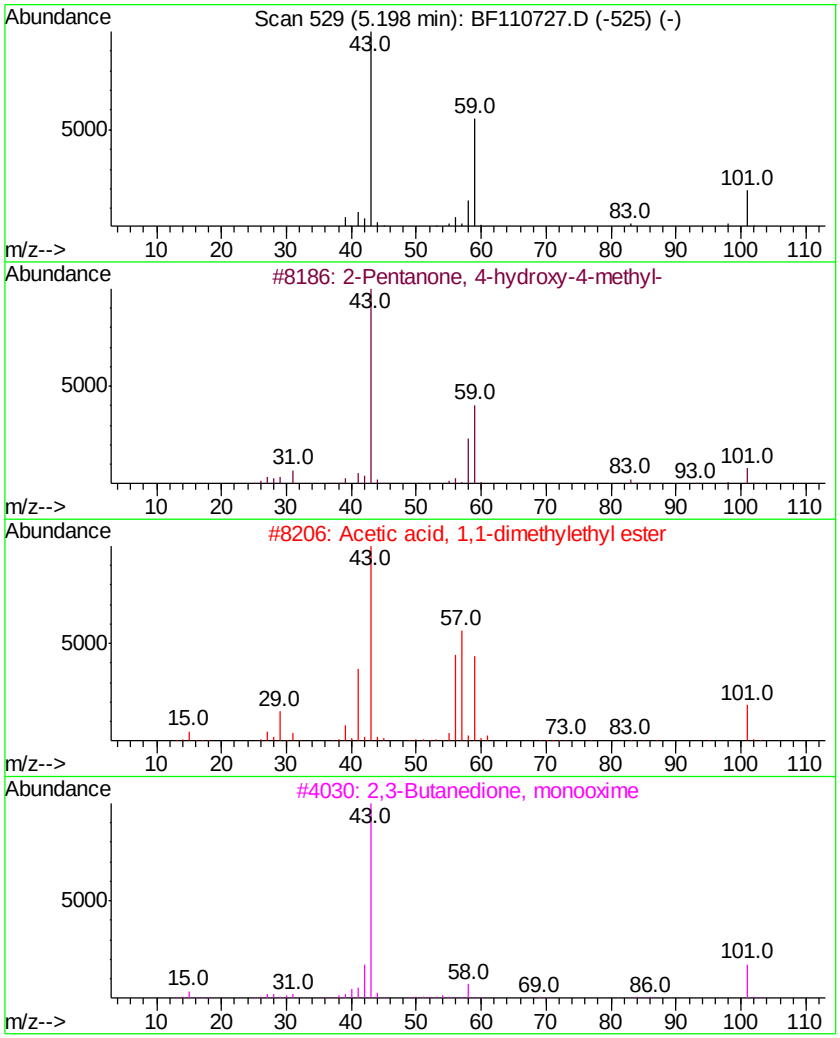
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

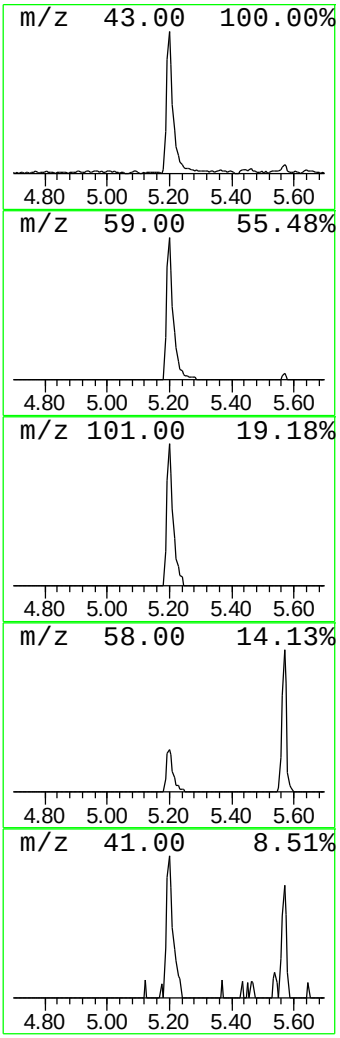
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	3.71 ng	107697	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	42
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	9





Library Search Compound Report

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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

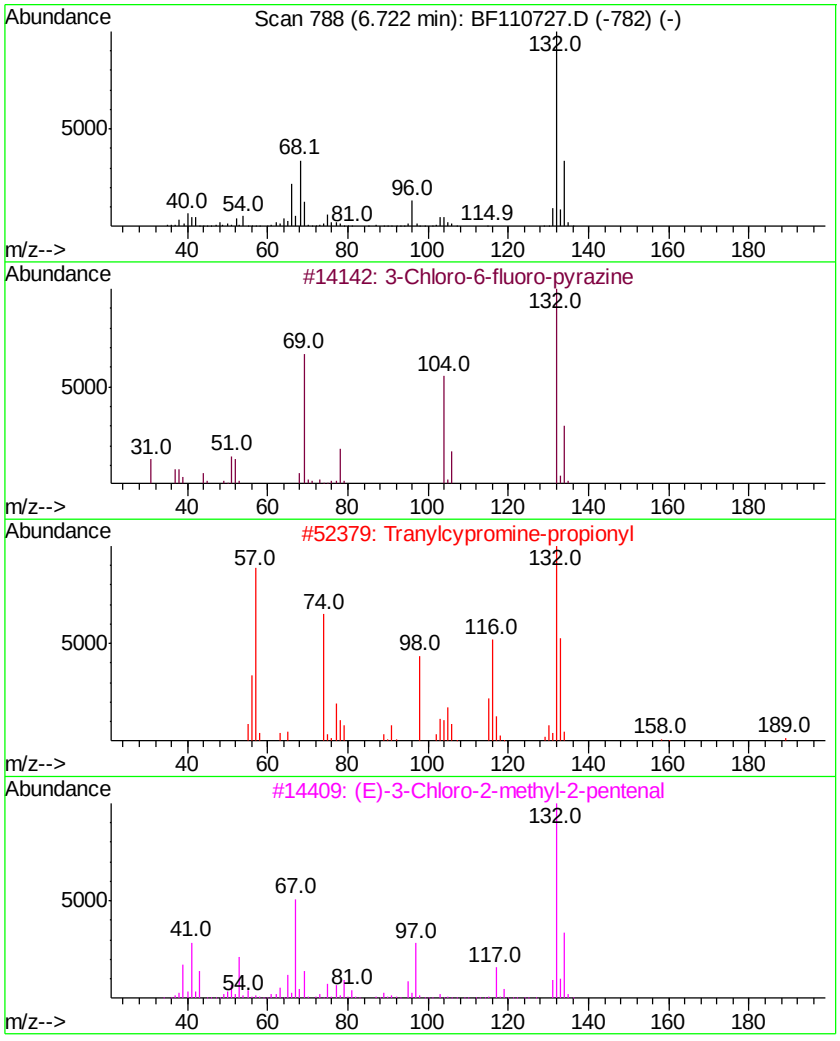
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

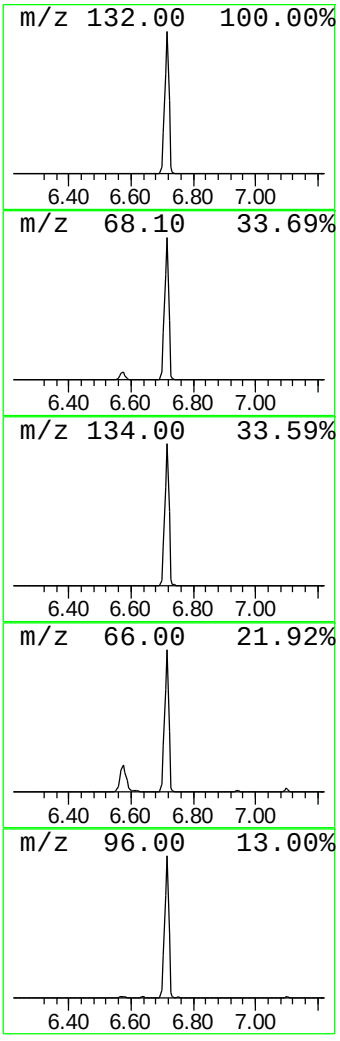
****

Peak Number 3 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	87.97 ng	2552550	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	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

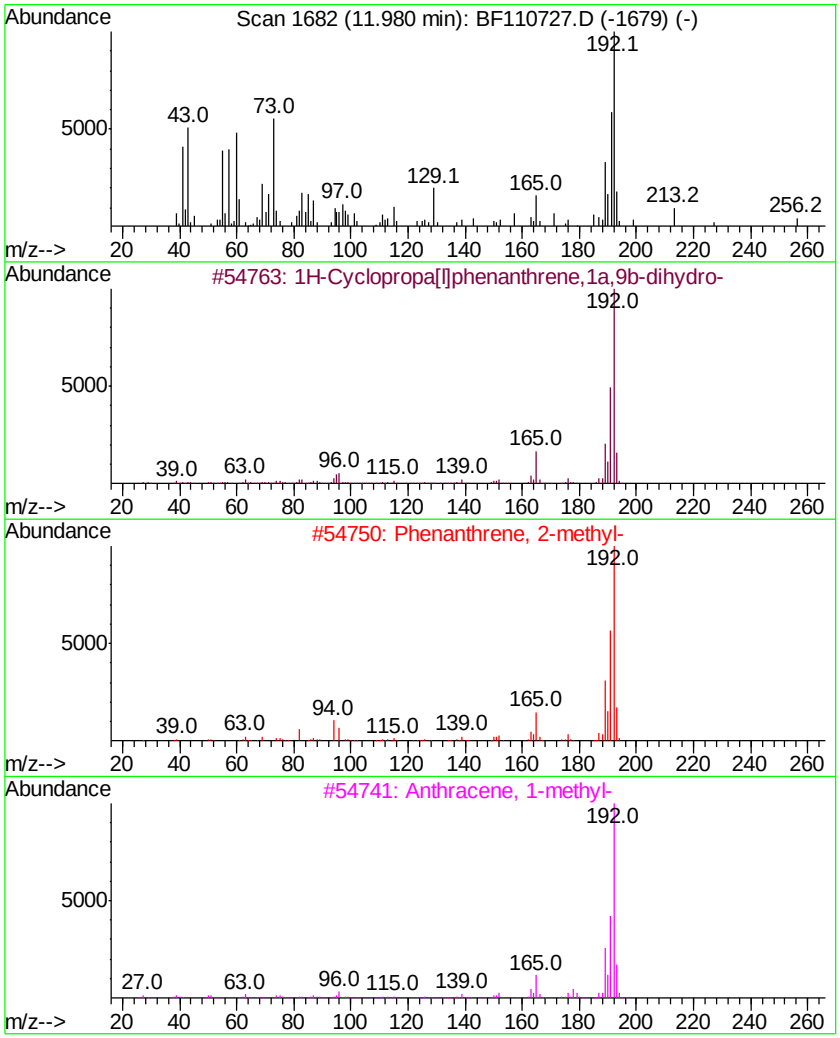
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

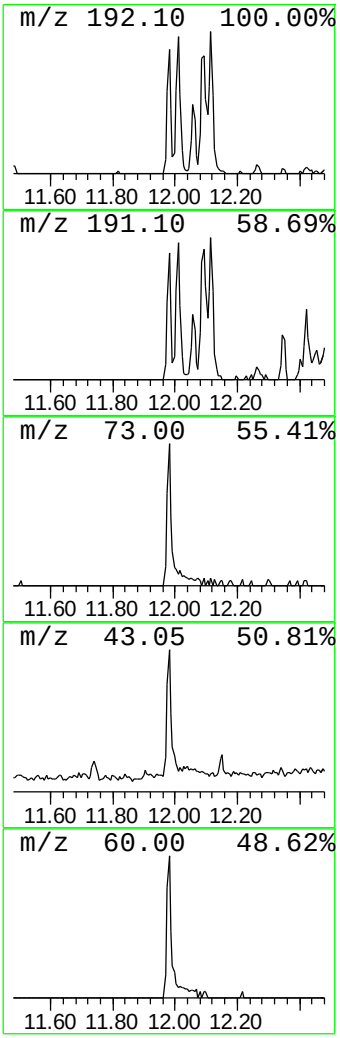
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	4.56 ng	131934	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

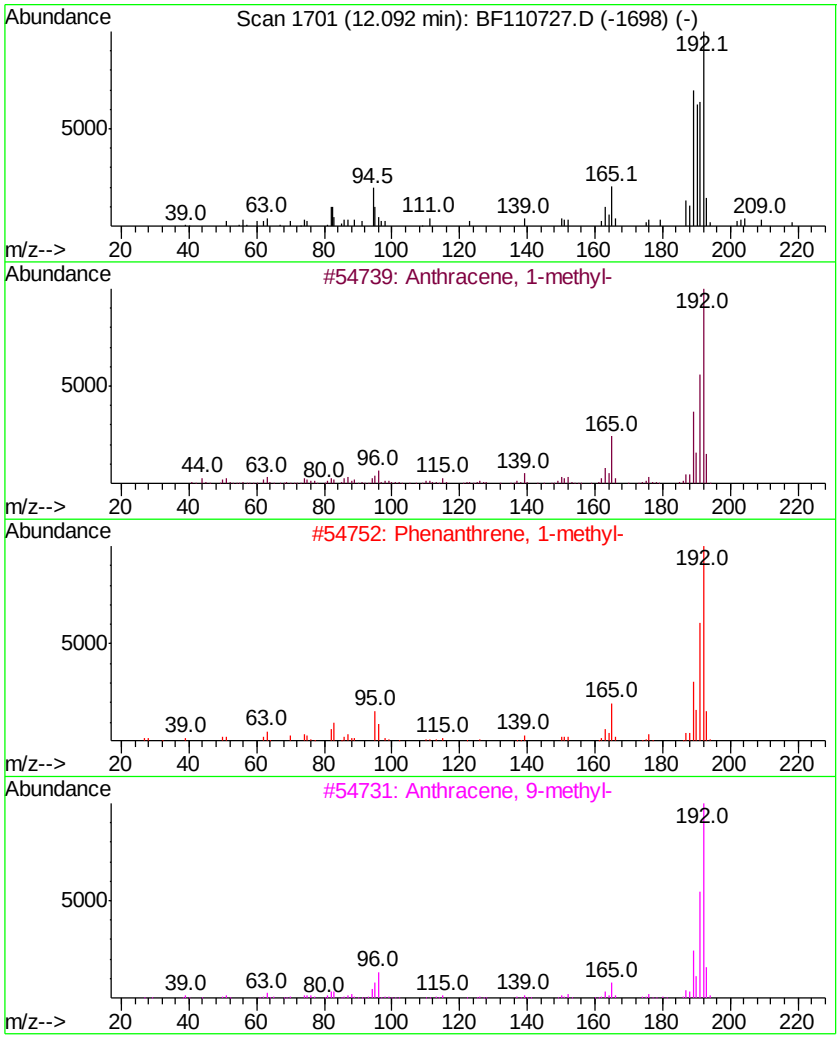
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

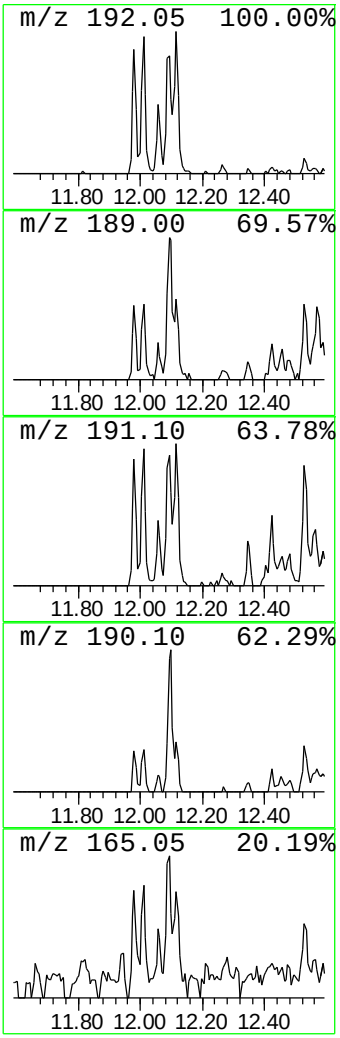
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.55 ng	73914	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

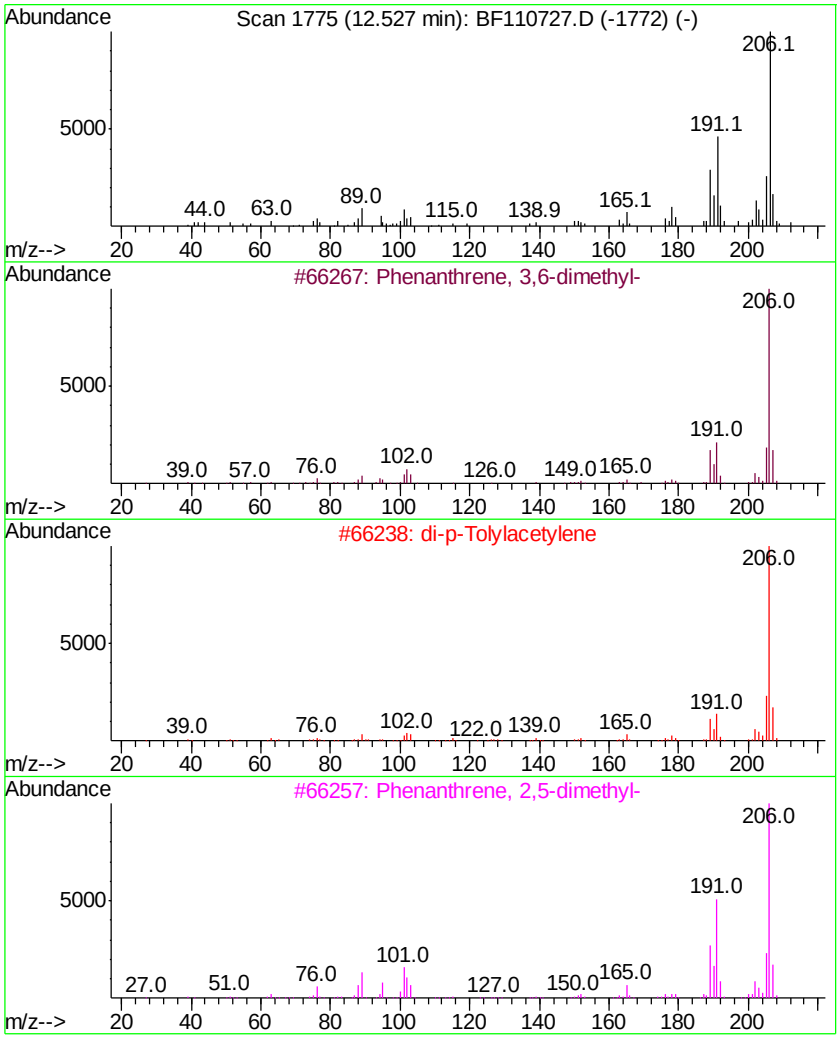
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

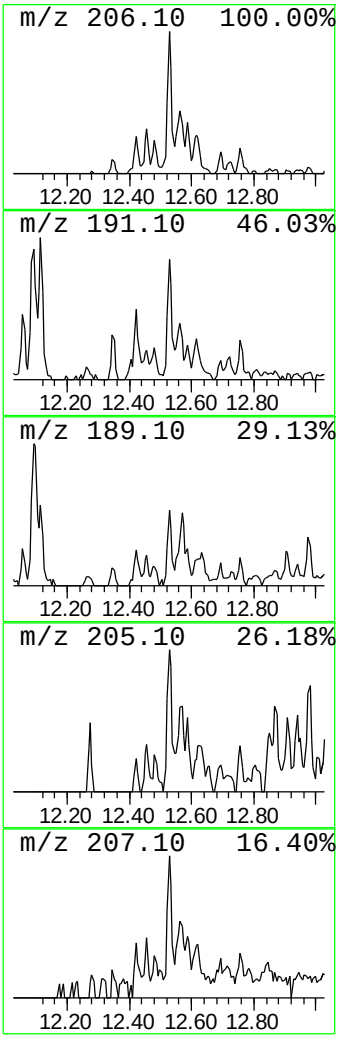
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.64 ng	76304	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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

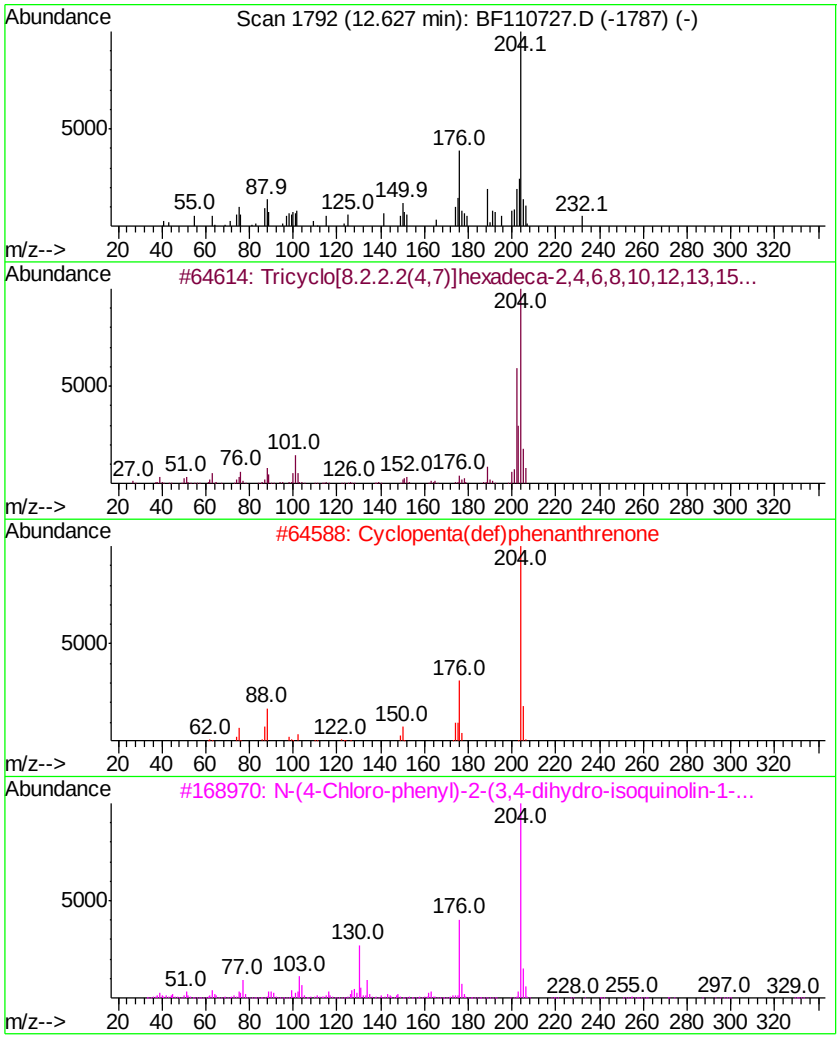
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

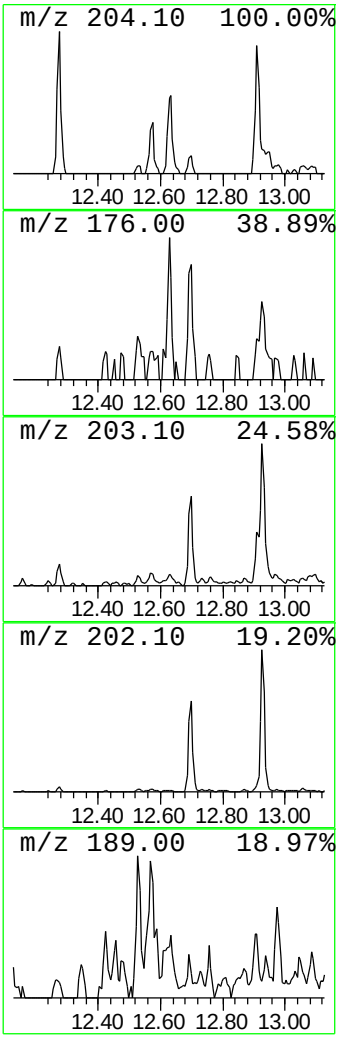
****

Peak Number 8 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.08 ng	60155	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





Library Search Compound Report

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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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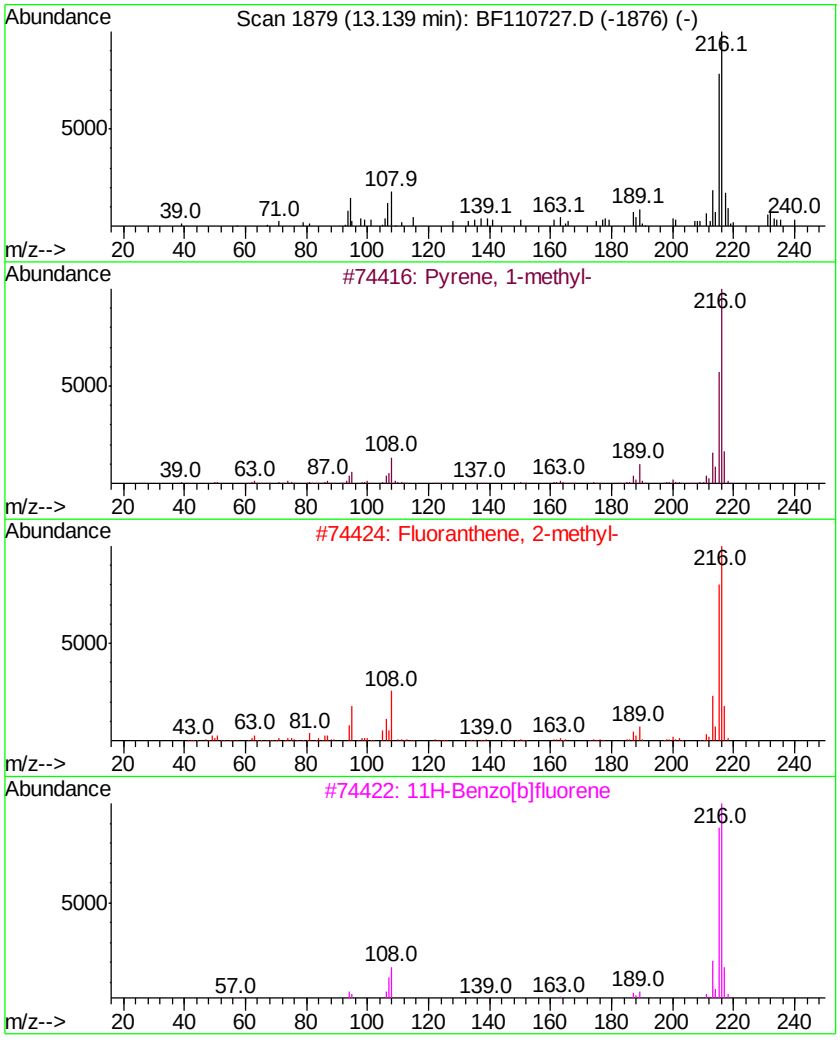
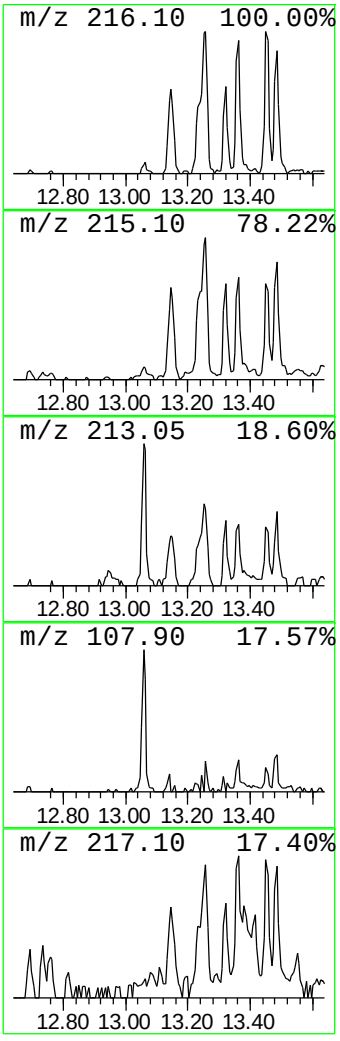
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.13 ng	80524	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Library Search Compound Report

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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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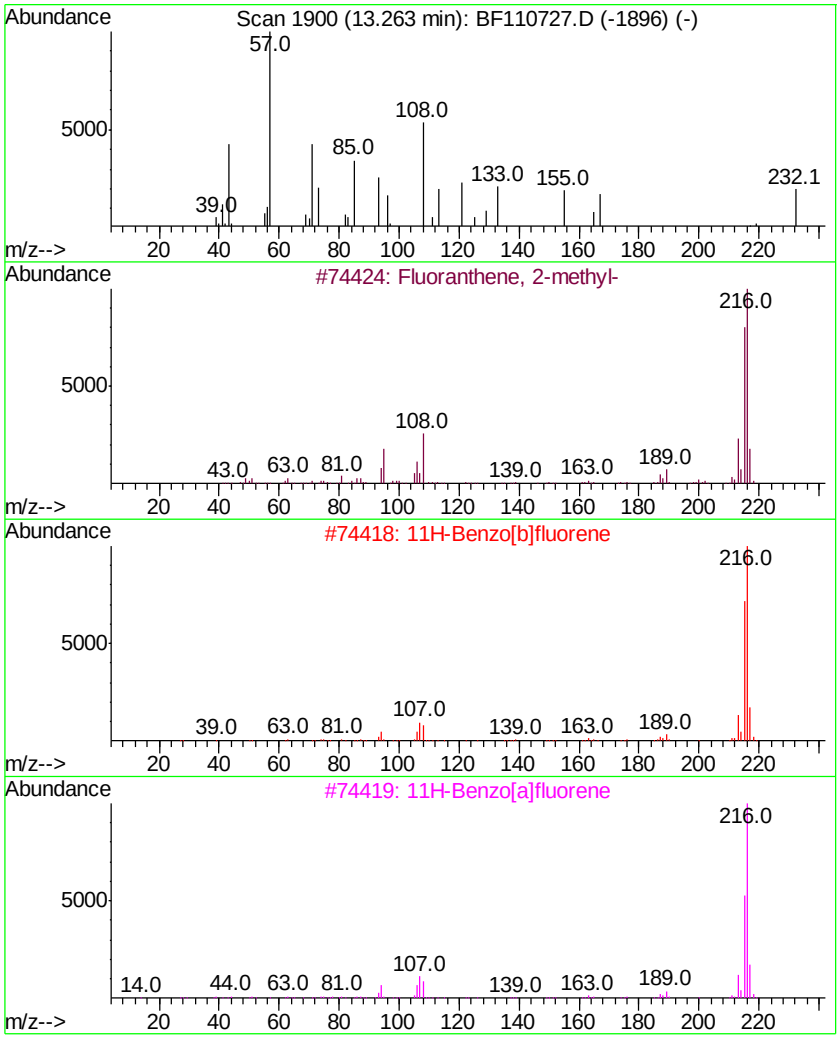
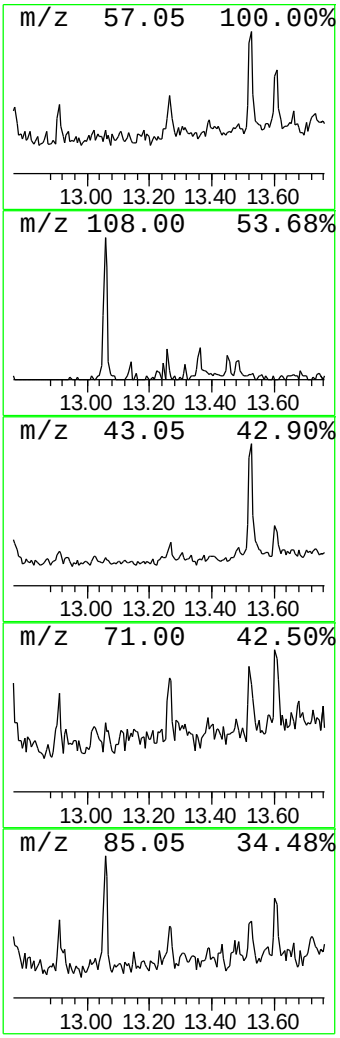
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.21 ng	83616	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	4-Hydroxy-6-methyl-1-pyridin-3-y...	216	C12H12N2O2	1000318-25-3	72





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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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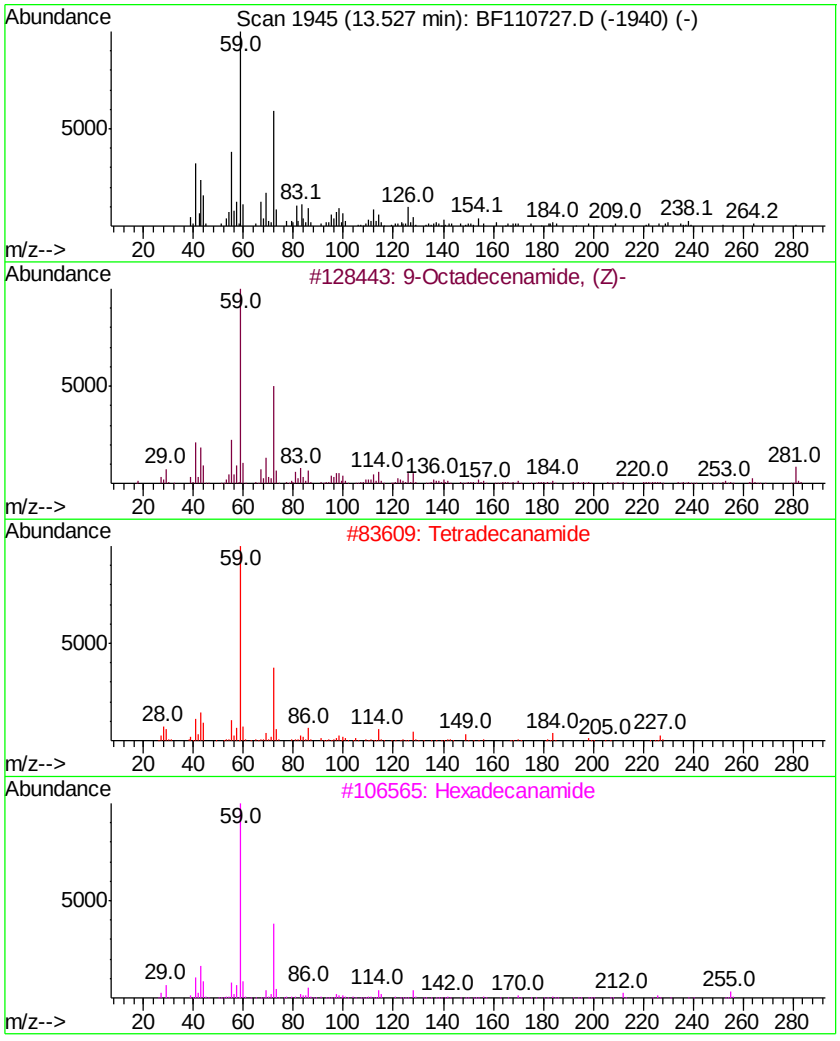
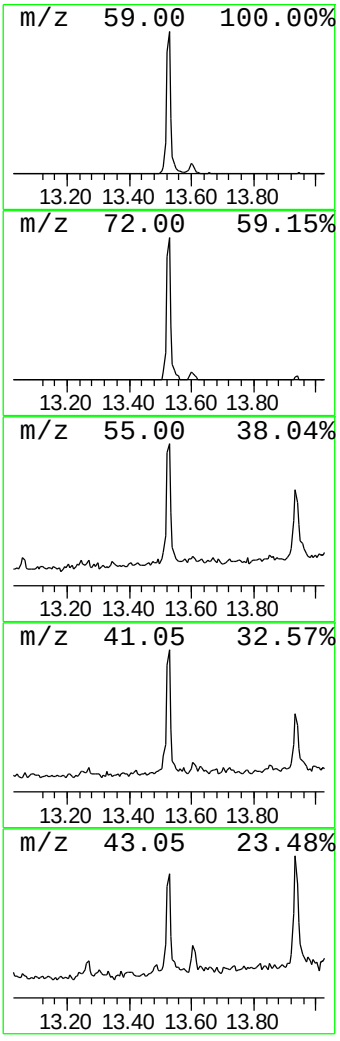
Peak Number 11 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	4.28 ng	162010	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	Tetradecanamide	227	C14H29NO	000638-58-4	53
3	Hexadecanamide	255	C16H33NO	000629-54-9	53
4	Dodecanamide	199	C12H25NO	001120-16-7	53
5	Octanamide	143	C8H17NO	000629-01-6	53





Library Search Compound Report

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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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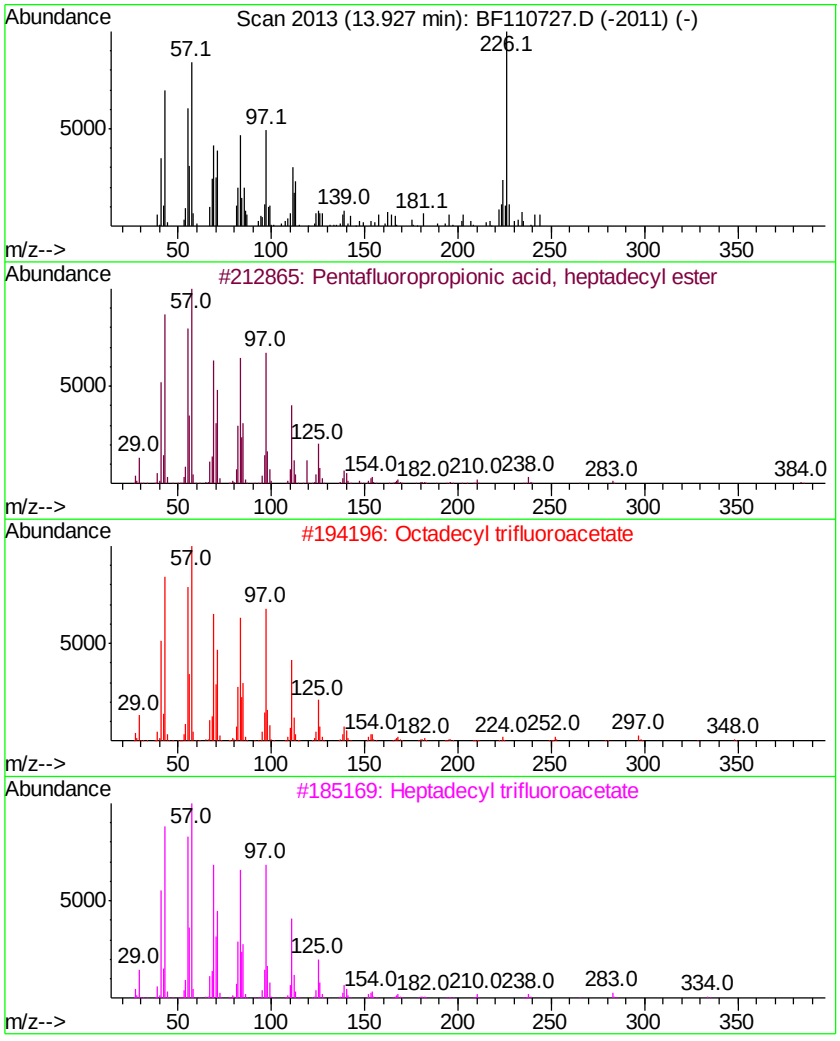
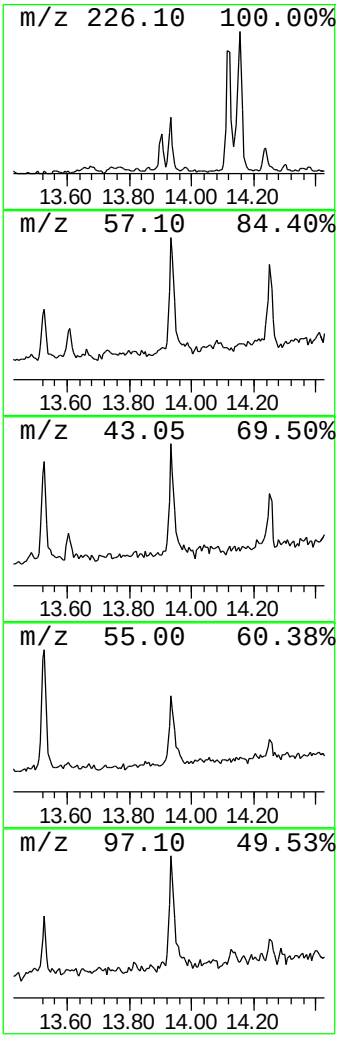
Peak Number 12 Pentafluoropropionic acid, ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.54 ng	133691	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	90
2	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	90
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	90
4	Cyclohexadecane	224	C16H32	000295-65-8	89
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	78





Library Search Compound Report

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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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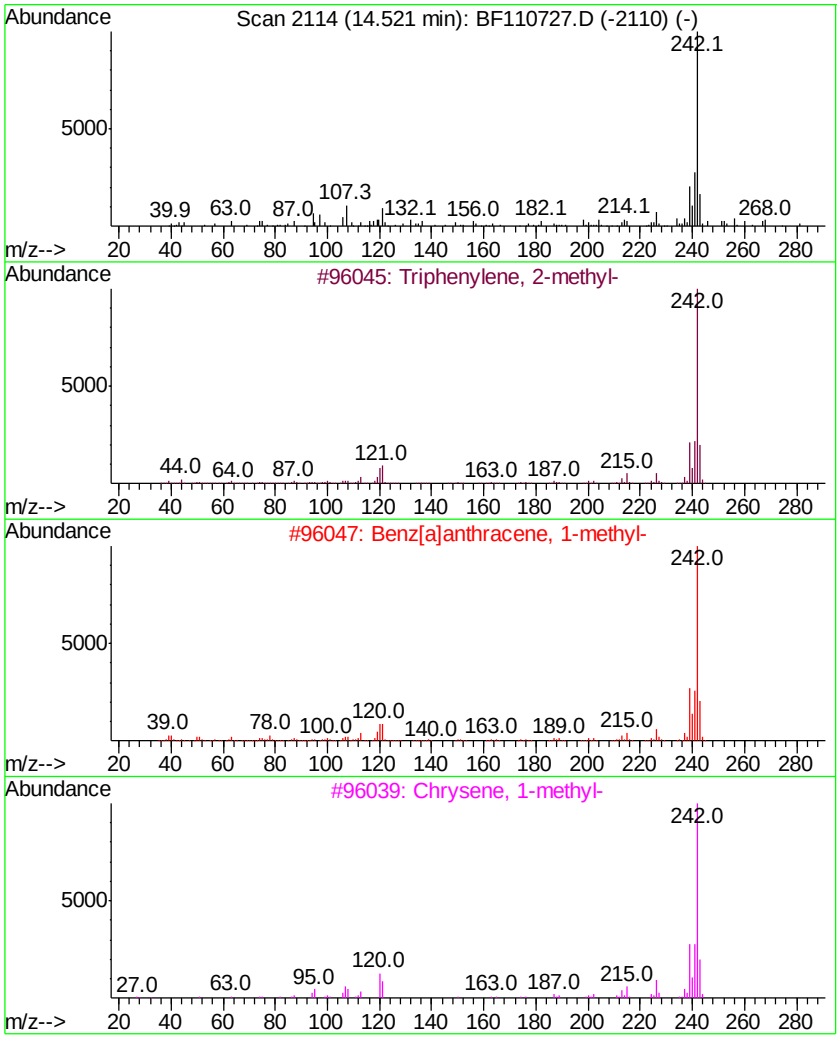
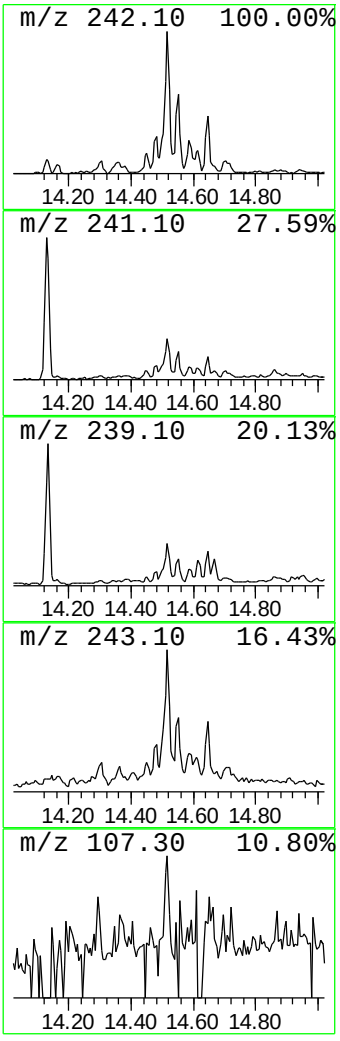
Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	2.41 ng	90979	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
4	2-Methylchrysene	242	C19H14	003351-32-4	94
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94





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Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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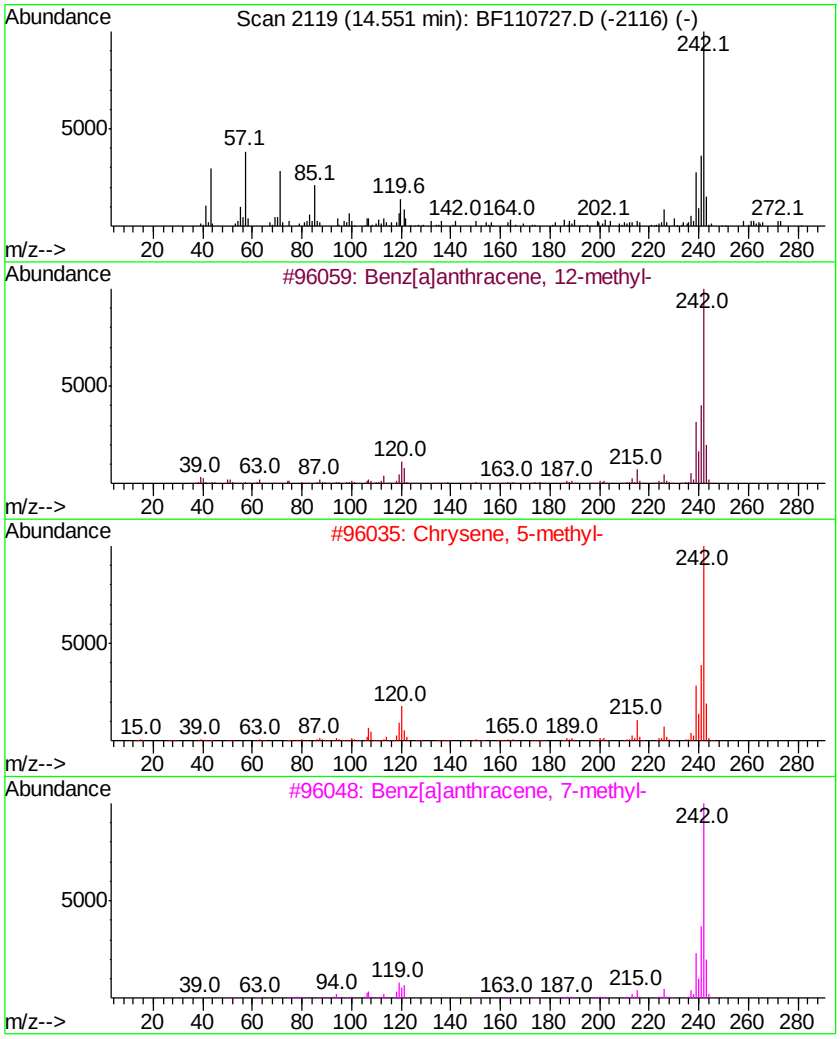
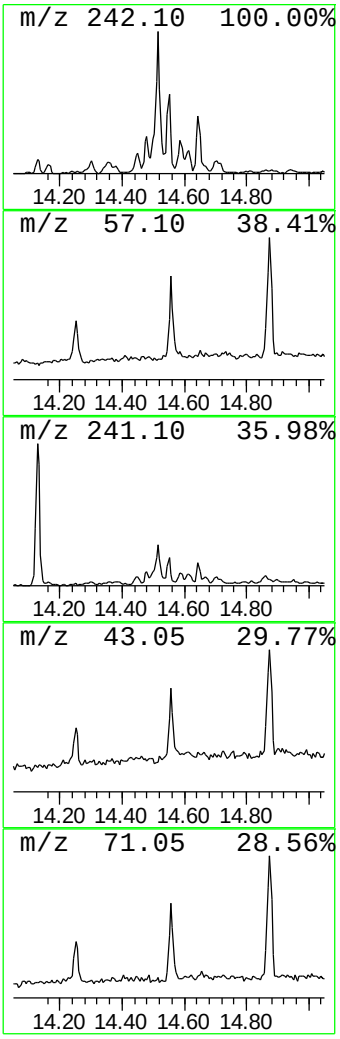
Peak Number 14 Benz[a]anthracene, 12-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.52 ng	95385	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	70
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	70
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	60
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	58
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	55





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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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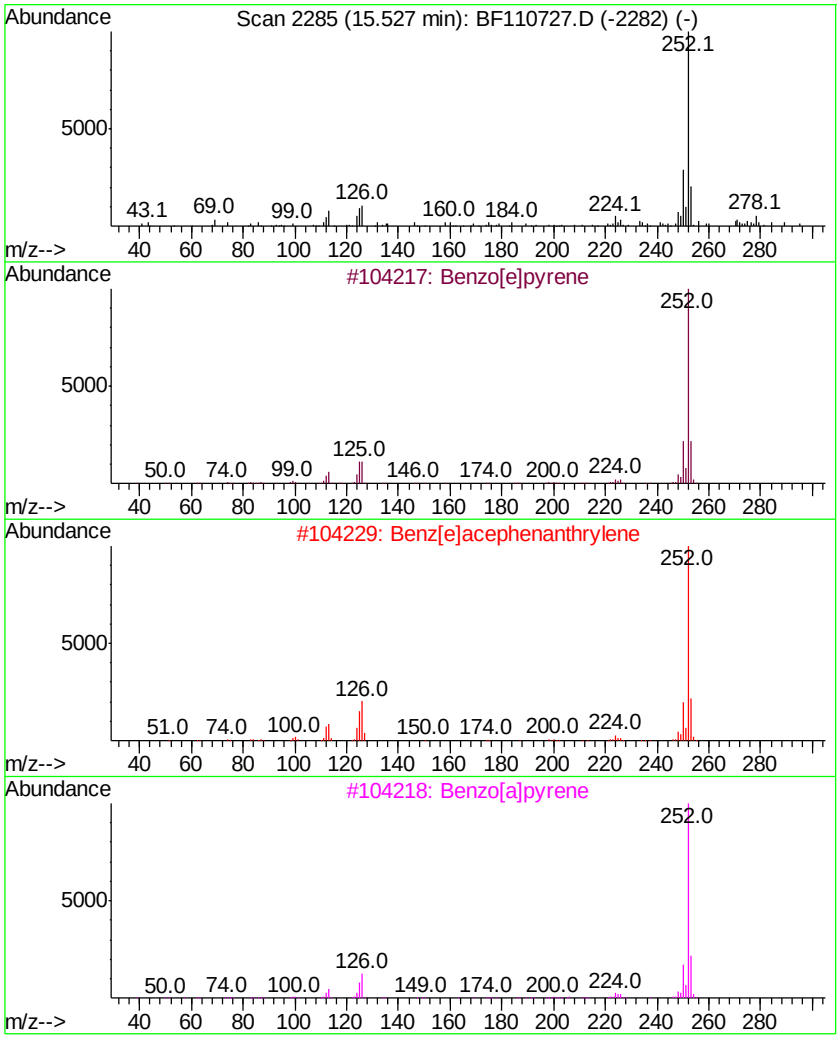
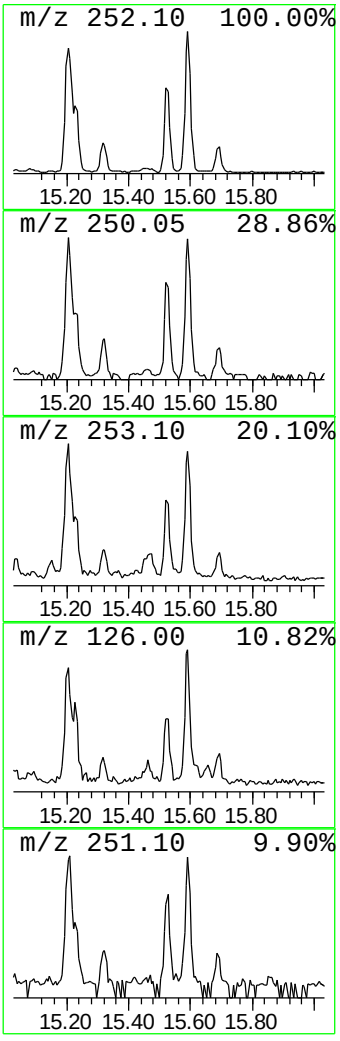
Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.65 ng	71421	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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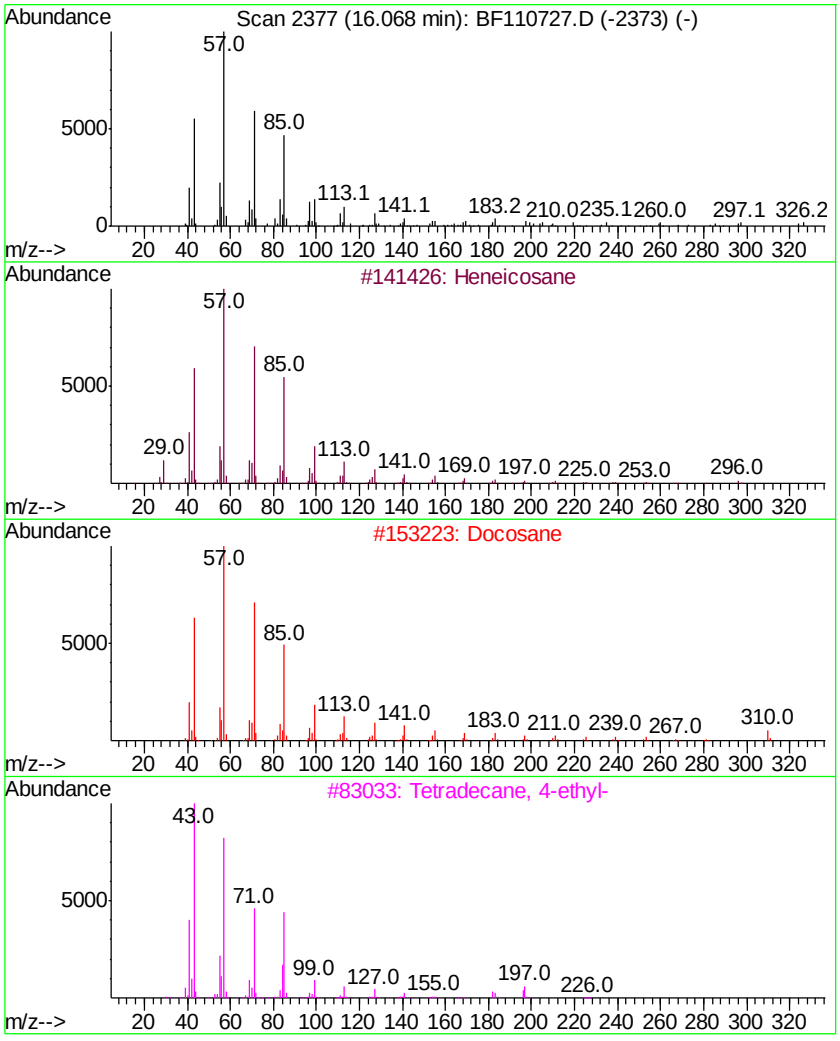
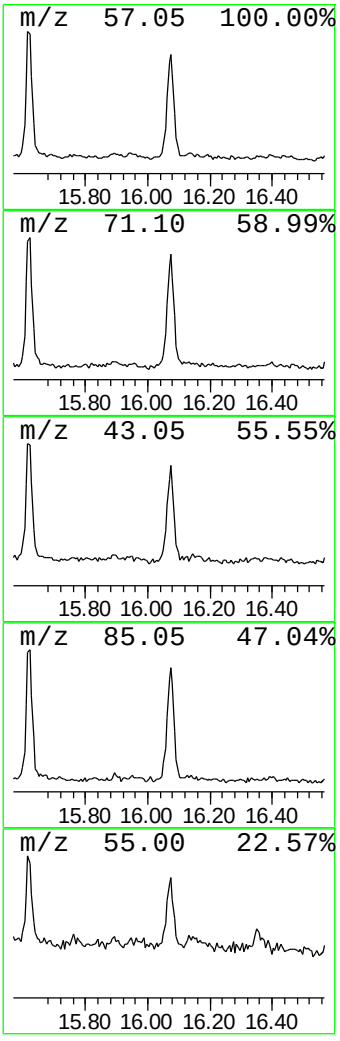
Peak Number 18 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	9.42 ng	184418	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Docosane	310	C22H46	000629-97-0	96
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	90
4	Tetratetracontane	619	C44H90	007098-22-8	87
5	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	87





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Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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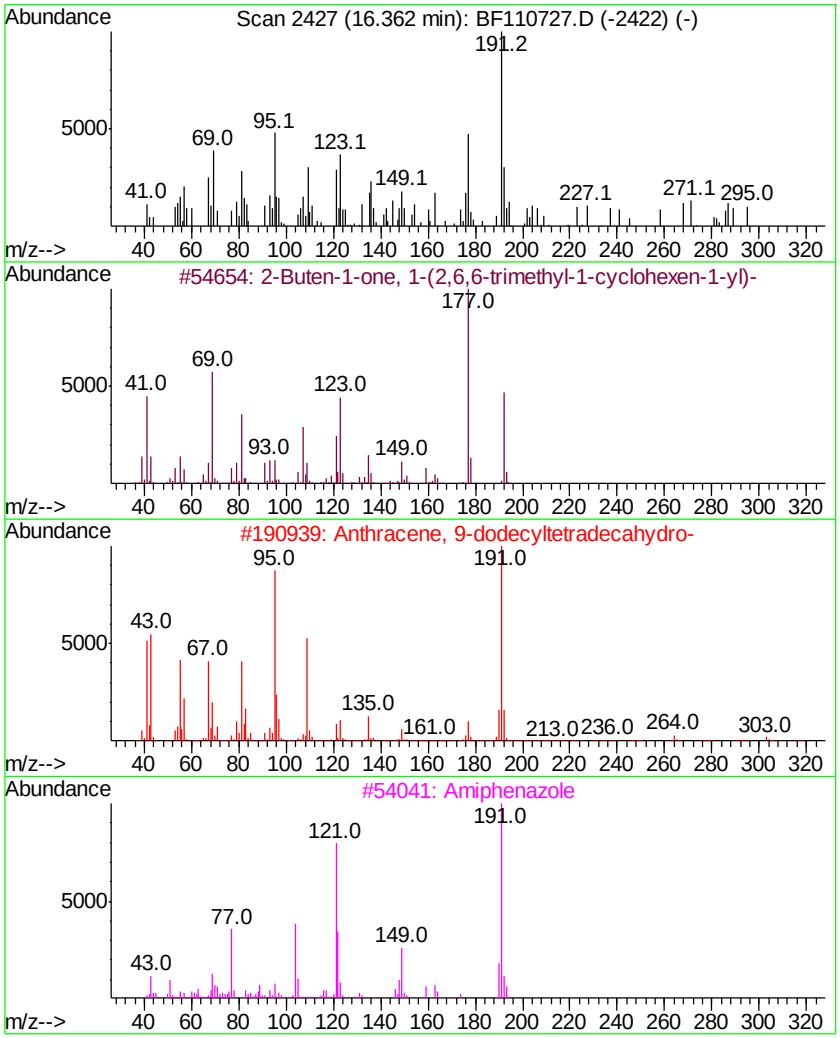
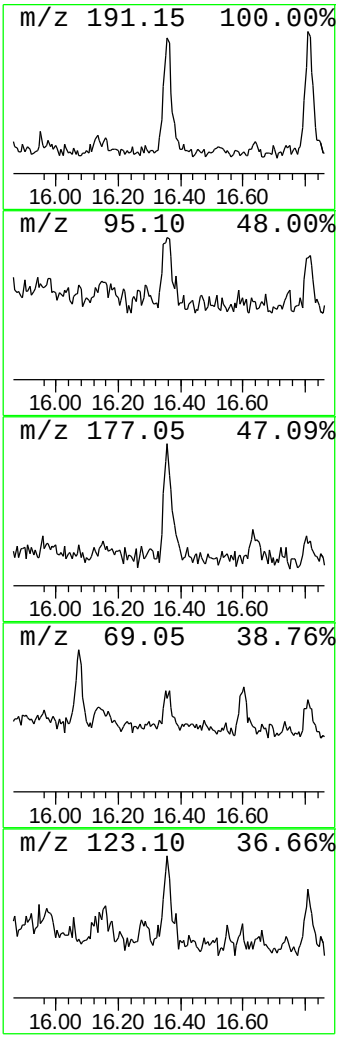
Peak Number 19 unknown16.36 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	3.32 ng	65050	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-one, 1-(2,6,6-trimethy...	192	C13H20O	035044-68-9	41
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
3	Amiphenazole	191	C9H9N3S	000490-55-1	25
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	22
5	2-Chloro-4,6-dimethylquinoline	191	C11H10ClN	003913-18-6	22





Library Search Compound Report

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Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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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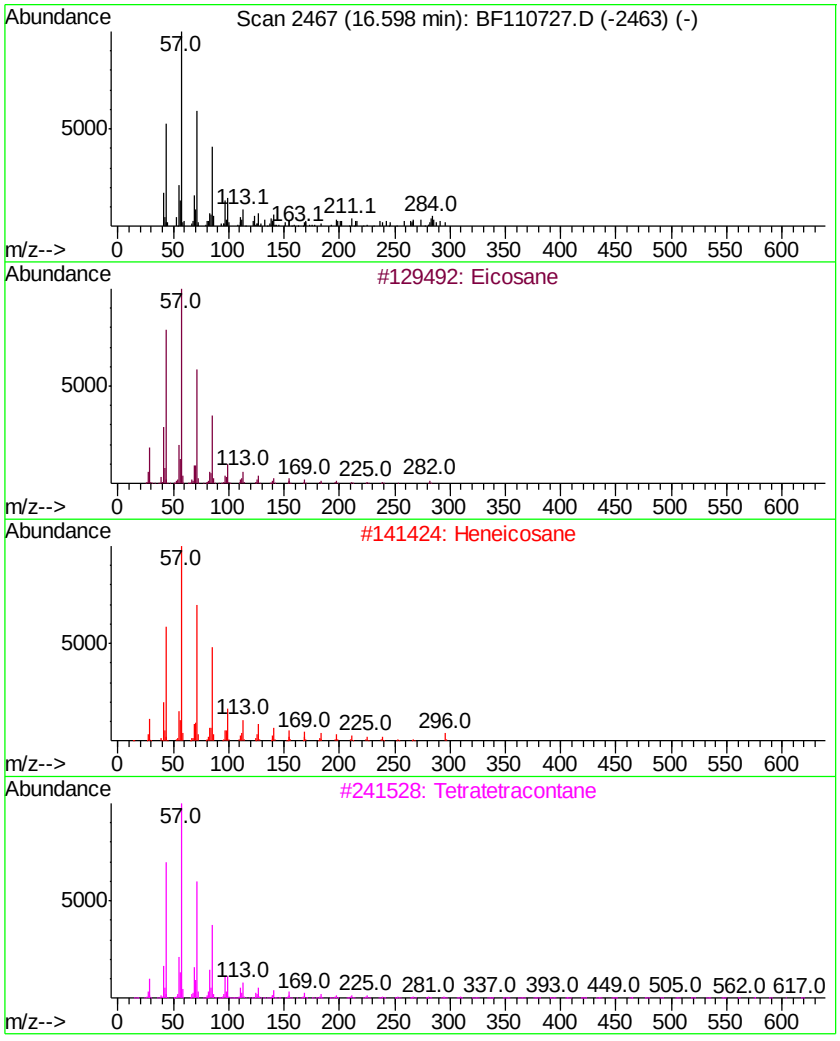
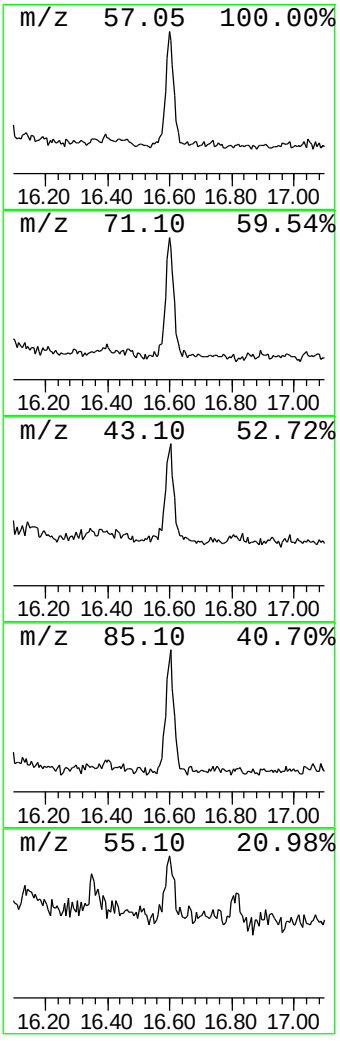
Peak Number 20 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	6.87 ng	134494	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Heneicosane	296	C21H44	000629-94-7	89
3	Tetratetracontane	619	C44H90	007098-22-8	83
4	2-methyloctacosane	408	C29H60	1000376-72-8	80
5	Hexatriacontane	507	C36H74	000630-06-8	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
Data File : BF110727.D
Acq On : 13 Nov 2018 18:59
Operator : JU/SJ
Sample : J5925-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-5S

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...	2.29	8.0	ng	232884	1	6.95	580346	20.0
2-Pentanone, 4-hy...	5.20	3.7	ng	107697	1	6.95	580346	20.0
unknown6.72	6.72	88.0	ng	2552550	1	6.95	580346	20.0
1H-Cyclopropa[l]p...	11.98	4.6	ng	131934	4	11.48	578631	20.0
Anthracene, 1-met...	12.09	2.5	ng	73914	4	11.48	578631	20.0
Phenanthrene, 3,6...	12.53	2.6	ng	76304	4	11.48	578631	20.0
Tricyclo[8.2.2.2(...	12.63	2.1	ng	60155	4	11.48	578631	20.0
Pyrene, 1-methyl-	13.14	2.1	ng	80524	5	14.13	756304	20.0
Fluoranthene, 2-m...	13.26	2.2	ng	83616	5	14.13	756304	20.0
9-Octadecenamide,...	13.53	4.3	ng	162010	5	14.13	756304	20.0
Pentafluoropropio...	13.93	3.5	ng	133691	5	14.13	756304	20.0
Triphenylene, 2-m...	14.52	2.4	ng	90979	5	14.13	756304	20.0
Benz[a]anthracene...	14.55	2.5	ng	95385	5	14.13	756304	20.0
Benzo[e]pyrene	15.53	3.6	ng	71421	6	15.66	391635	20.0
Heneicosane	16.07	9.4	ng	184418	6	15.66	391635	20.0
unknown16.36	16.36	3.3	ng	65050	6	15.66	391635	20.0
Eicosane	16.60	6.9	ng	134494	6	15.66	391635	20.0