LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117629.D
Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

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-BF101819.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	5.357	553	556	578	rBV	359247	562175	82.42%	8.601%
2	6.387	728	731	748	rBV	462805	669659	98.18%	10.245%
3	6.504	748	751	765	rVB	690529	682107	100.00%	10.436%
4	6.728	786	789	798	rBV	203054	192530	28.23%	2.946%
5	6.881	812	815	828	rBV	441030	412617	60.49%	6.313%
6	7.292	882	885	908	rBV	238769	367620	53.89%	5.624%
7	8.010	1004	1007	1024	rBV	178184	237323	34.79%	3.631%
8	9.081	1186	1189	1202	rBV	468073	478003	70.08%	7.313%
9	9.486	1254	1258	1271	rBB	41328	51981	7.62%	0.795%
10	9.763	1301	1305	1319	rBB	218617	248839	36.48%	3.807%
11	10.557	1437	1440	1453	rBV	216469	248547	36.44%	3.803%
12	11.251	1554	1558	1560	rBV	203218	185786	27.24%	2.842%
13	11.274	1560	1562	1568	rVV	75532	79720	11.69%	1.220%
14	11.333	1570	1572	1581	rVB	10278	12375	1.81%	0.189%
15	11.757	1641	1644	1646	rBV	8072	8564	1.26%	0.131%
16	11.786	1646	1649	1655	rVB2	19045	28486	4.18%	0.436%
17	11.869	1660	1663	1665	rVV	16289	18562	2.72%	0.284%
18	11.892	1665	1667	1672	rVB	8637	8686	1.27%	0.133%
19	12.304	1734	1737	1739	rBV	8150	7880	1.16%	0.121%
20	12.463	1761	1764	1773	rBV	160401	159088	23.32%	2.434%
21	12.692	1797	1803	1811	rBV	147947	175547	25.74%	2.686%
22	12.827	1822	1826	1832	rBV	453170	383900	56.28%	5.873%
23	12.921	1837	1842	1845	rVB4	10286	14075	2.06%	0.215%
24	13.027	1853	1860	1863	rBV	18905	28521	4.18%	0.436%
25	13.092	1868	1871	1874	rVB2	10348	9703	1.42%	0.148%
26	13.133	1874	1878	1882	rBV3	13627	18014	2.64%	0.276%
27	13.221	1890	1893	1897	rBV2	9105	10048	1.47%	0.154%
28	13.257	1897	1899	1904	rVV5	8834	10089	1.48%	0.154%
29	13.516	1938	1943	1946	rBV5	6042	9149	1.34%	0.140%
30	13.551	1946	1949	1954	rVB3	8201	11894	1.74%	0.182%
31	13.651	1963	1966	1967	rBV2	9865	9373	1.37%	0.143%
32	13.668	1967	1969	1972	rVB2	14304	12399	1.82%	0.190%
33	13.698	1972	1974	1976	rBV	9295	8655	1.27%	0.132%
34	13.739	1976	1981	1990	rVB6	37265	87244	12.79%	1.335%

LSC Area Percent Report

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Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

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-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.892	2003	2007	2010	rBV2	253139	316670	46.43%	4.845%
36	13.921	2010	2012	2019	rVB	91788	87840	12.88%	1.344%
37	14.004	2023	2026	2028	rVB	13113	11194	1.64%	0.171%
38	14.286	2071	2074	2078	rVB2	13890	14573	2.14%	0.223%
39	14.339	2082	2083	2086	rVV3	9867	9640	1.41%	0.147%
40	14.386	2088	2091	2094	rVV5	13018	19633	2.88%	0.300%
41	14.433	2097	2099	2102	rVB4	6829	7035	1.03%	0.108%
42	14.639	2131	2134	2137	rVB3	14260	13527	1.98%	0.207%
43	14.710	2143	2146	2148	rVB	10576	9659	1.42%	0.148%
44	14.780	2155	2158	2161	rVB5	8620	9368	1.37%	0.143%
45	14.927	2178	2183	2185	rBV	72331	99315	14.56%	1.519%
46	14.951	2185	2187	2193	rVV2	54733	64303	9.43%	0.984%
47	15.027	2197	2200	2207	rVB	17029	25544	3.74%	0.391%
48	15.215	2228	2232	2236	rVB	34230	42256	6.19%	0.646%
49	15.274	2238	2242	2245	rBV	51426	59435	8.71%	0.909%
50	15.333	2246	2252	2256	rVV	110384	141904	20.80%	2.171%
51	15.504	2277	2281	2284	rBV5	6566	11131	1.63%	0.170%
52	15.715	2312	2317	2321	rVB4	17623	27097	3.97%	0.415%
53	15.809	2329	2333	2334	rBV3	7715	10568	1.55%	0.162%
54	15.827	2334	2336	2342	rVV6	10445	14247	2.09%	0.218%
55	15.880	2342	2345	2351	rVB7	5884	10992	1.61%	0.168%
56	16.180	2392	2396	2399	rBV5	9585	16036	2.35%	0.245%
57	16.762	2492	2495	2502	rVB3	13470	21991	3.22%	0.336%
58	17.198	2563	2569	2574	rVB2	14048	28180	4.13%	0.431%
59	17.362	2592	2597	2598	rBV5	6371	8151	1.19%	0.125%
60	17.874	2679	2684	2686	rBV4	4261	6892	1.01%	0.105%

Sum of corrected areas: 6536340

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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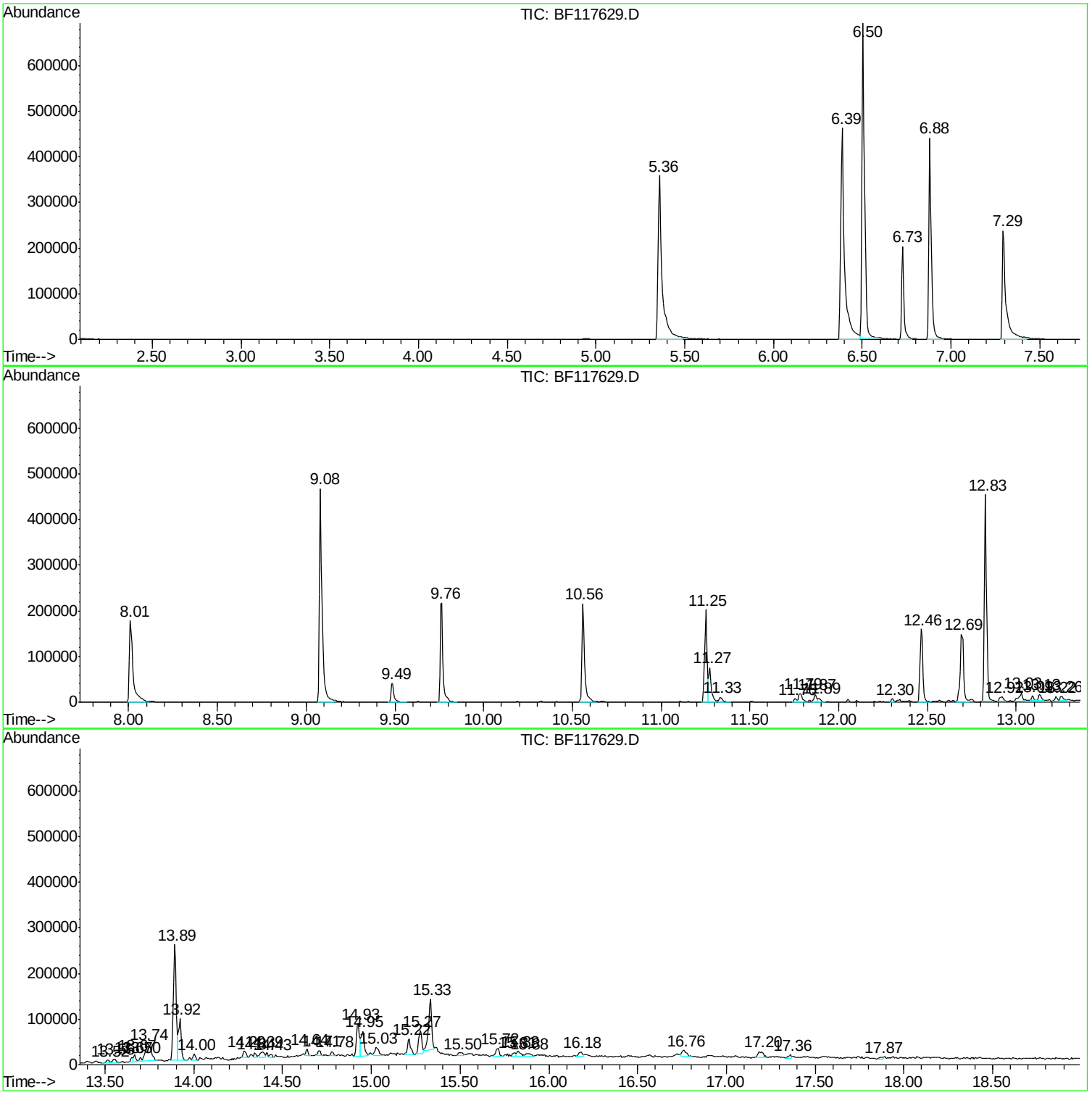
Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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\BF103019\
Data File : BF117629.D
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Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

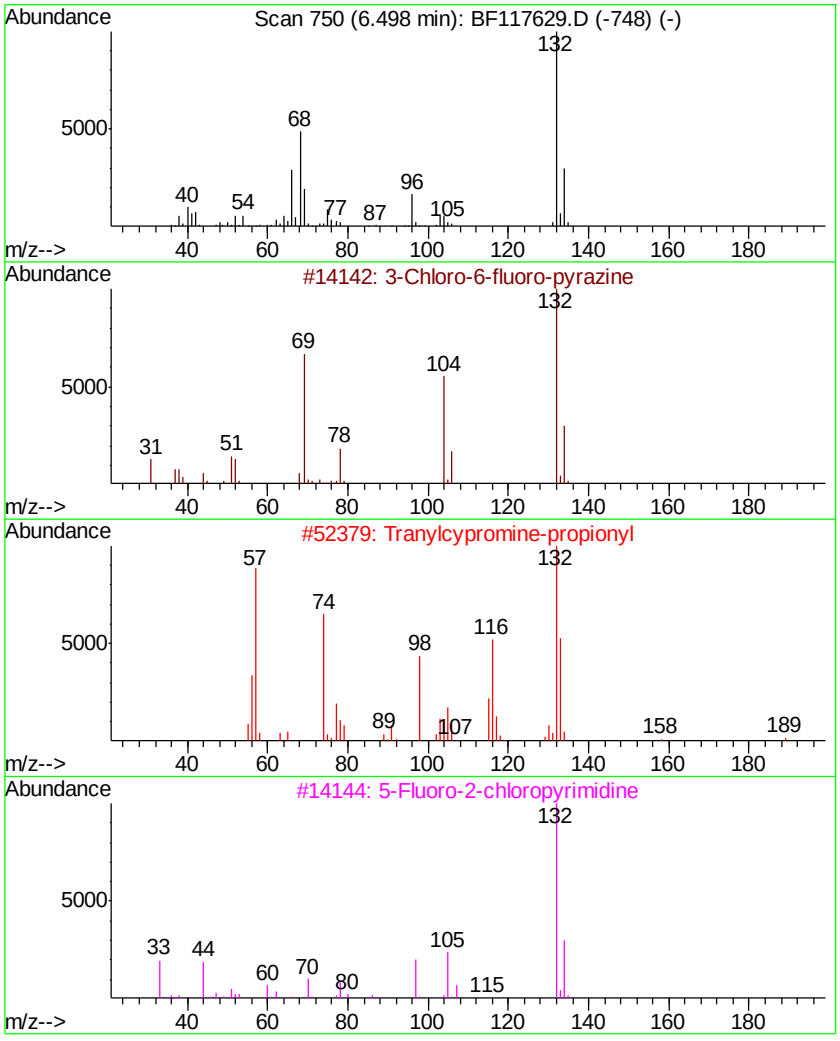
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

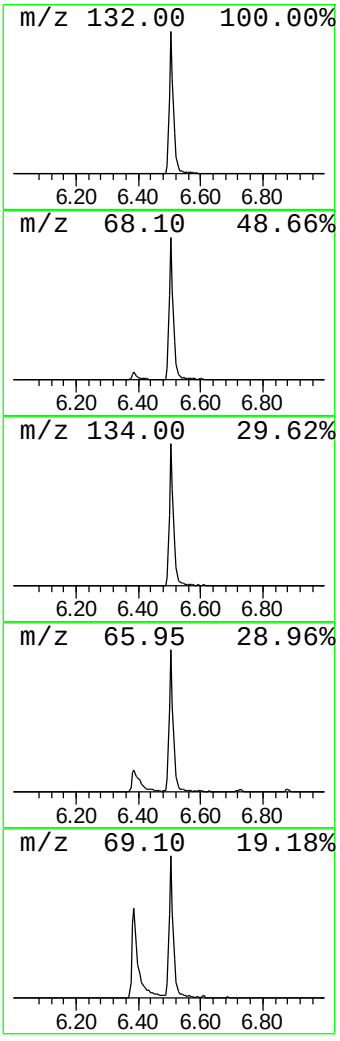
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	70.86 ng	682107	1,4-Dichlorobenzene-d4	6.73

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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117629.D
Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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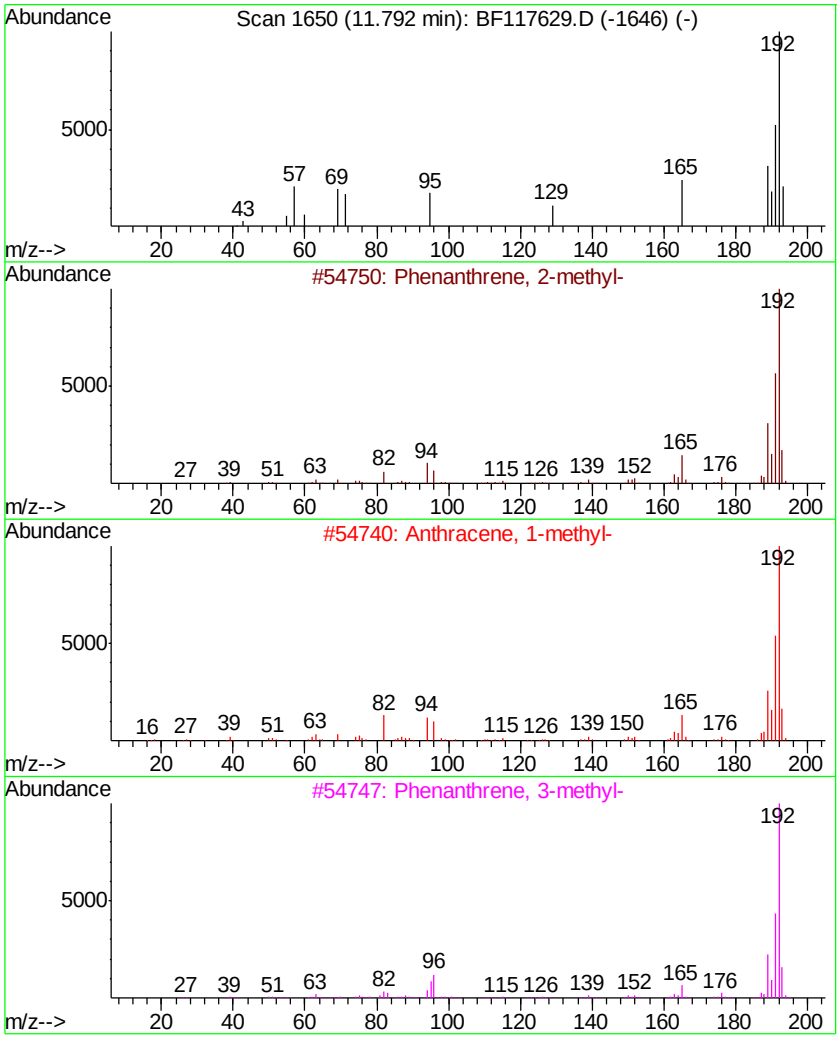
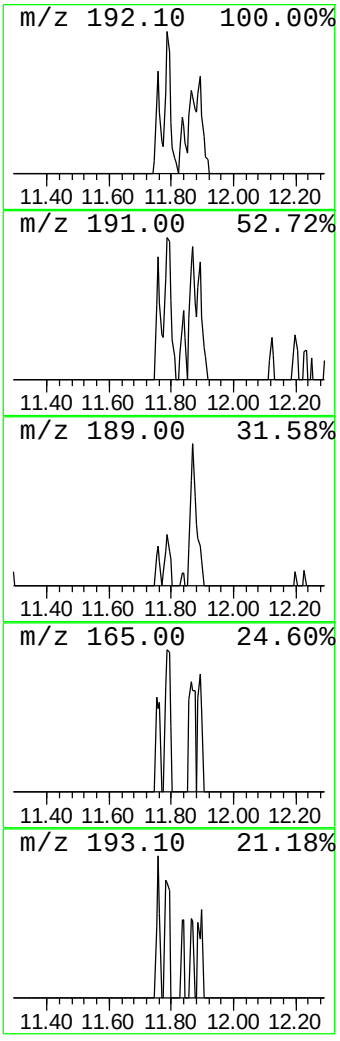
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.07 ng	28486	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117629.D
Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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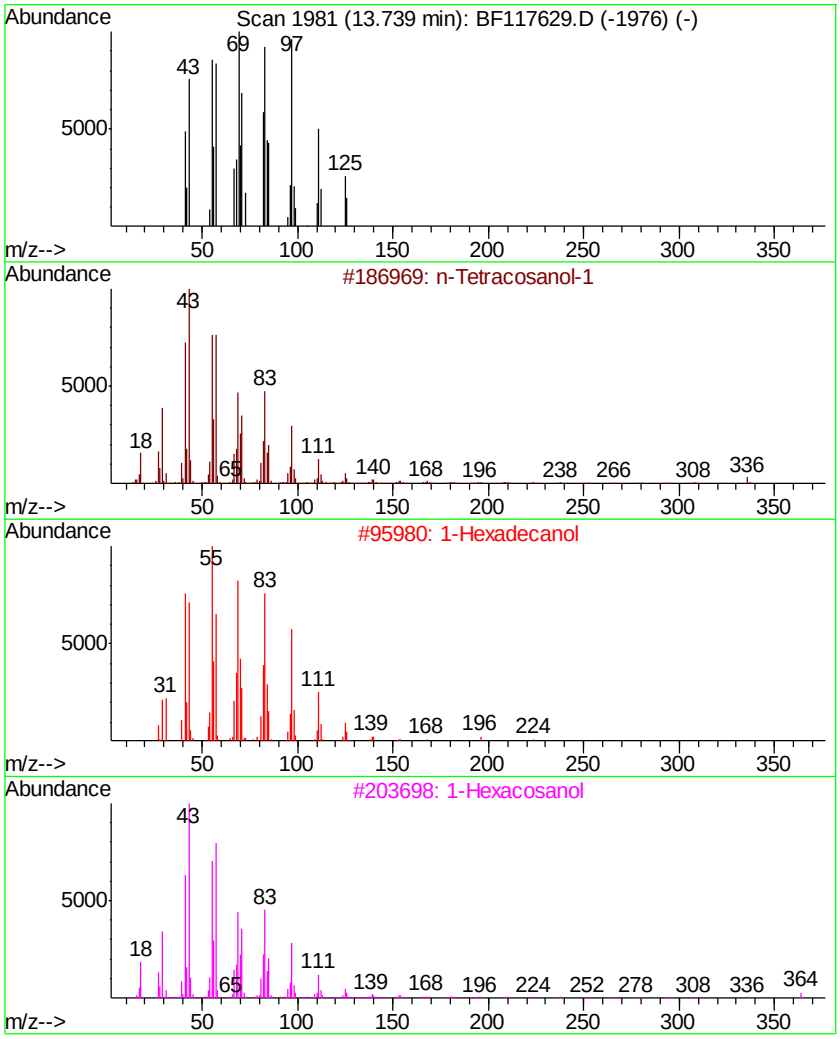
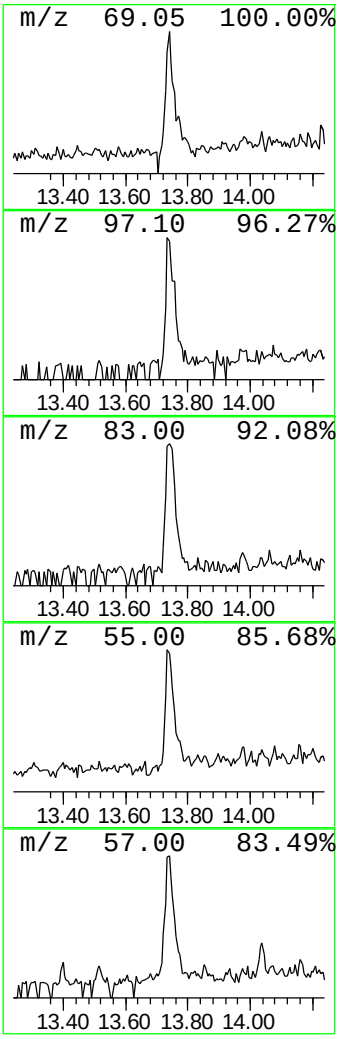
Peak Number 4 n-Tetracosanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	5.51 ng	87244	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
2	1-Hexadecanol	242	C16H34O	036653-82-4	86
3	1-Hexacosanol	382	C26H54O	000506-52-5	58
4	11-Tricosene	322	C23H46	052078-56-5	50
5	n-Tridecan-1-ol	200	C13H28O	000112-70-9	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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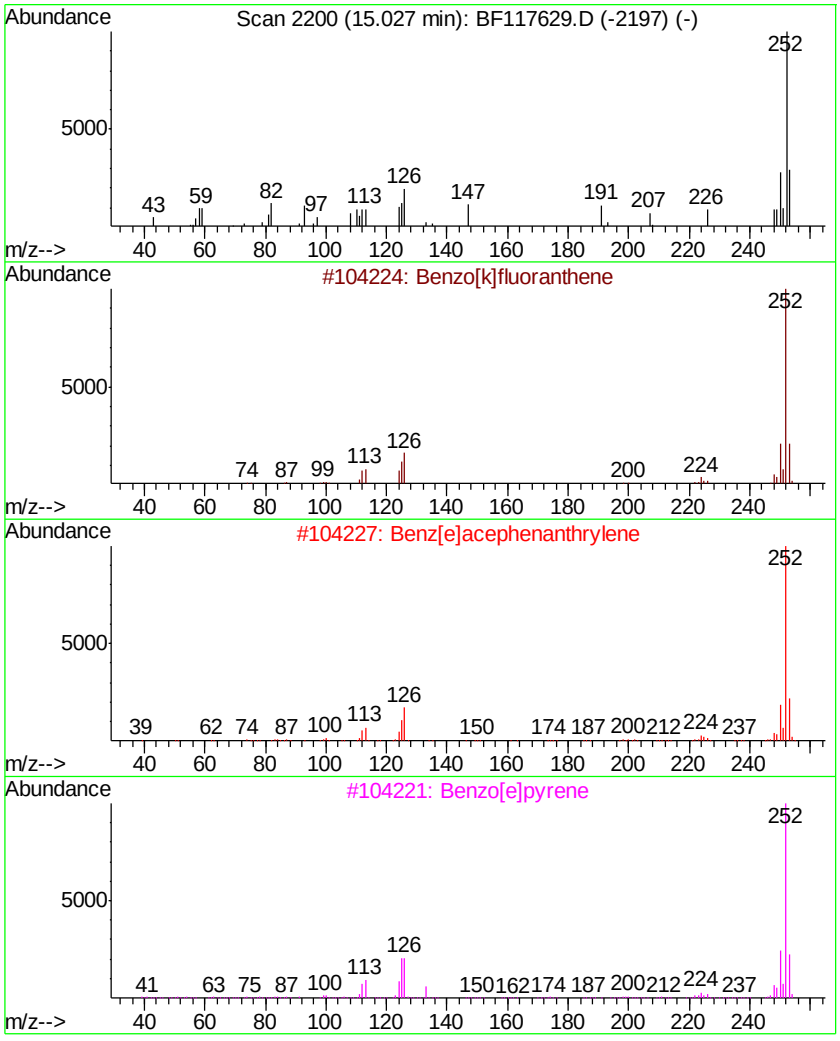
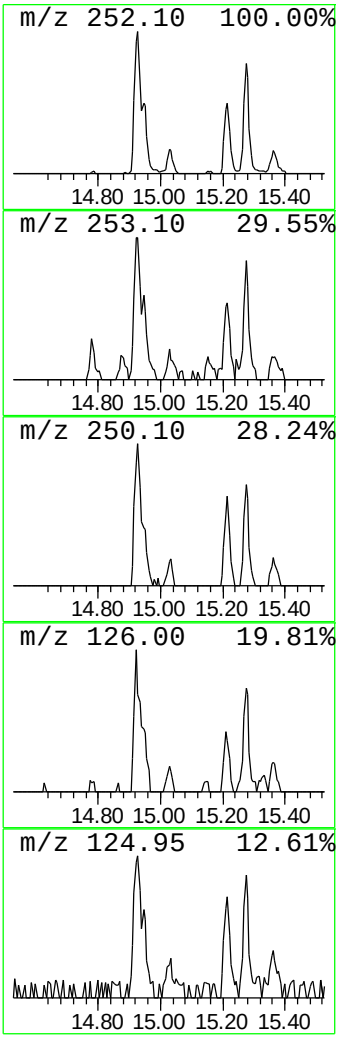
Peak Number 5 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	3.60 ng	25544	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	68
3	Benzo[e]pyrene	252	C20H12	000192-97-2	62
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	62
5	Perylene	252	C20H12	000198-55-0	62





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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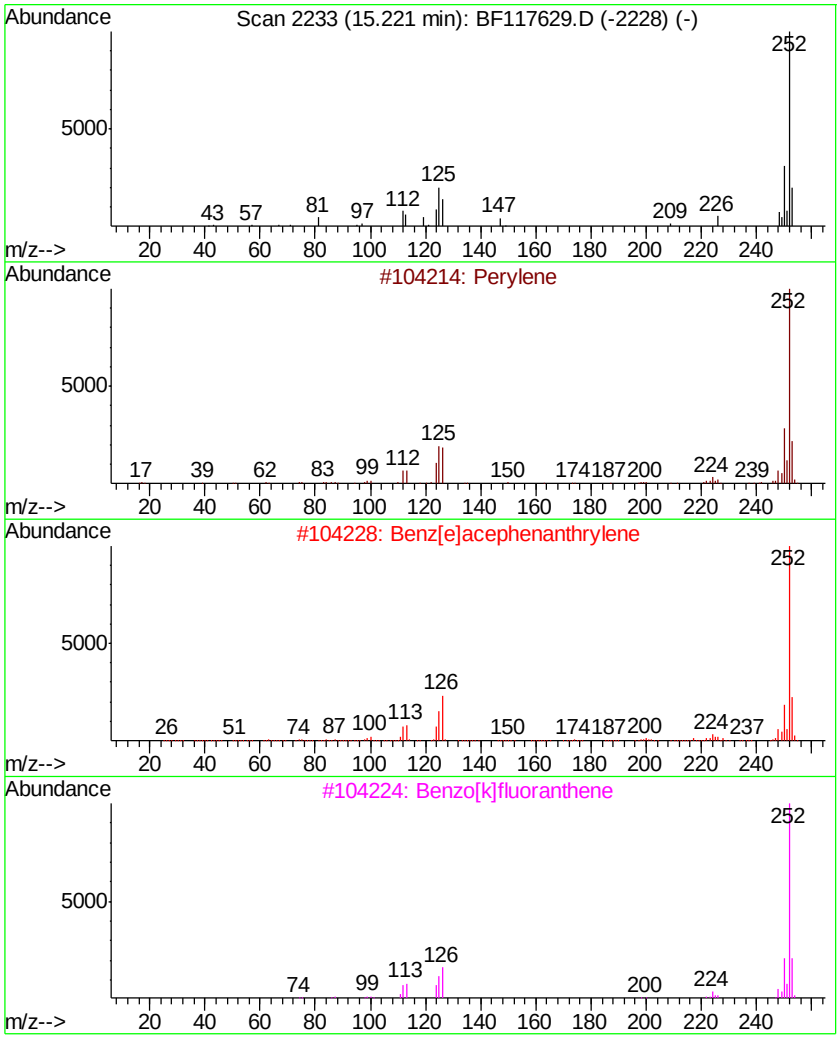
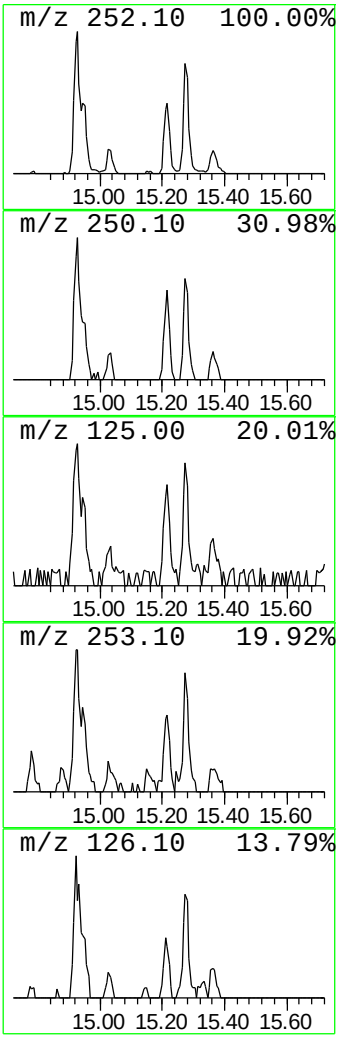
Peak Number 6 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	5.96 ng	42256	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	87
4	Benzo[e]pyrene	252	C20H12	000192-97-2	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	74





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Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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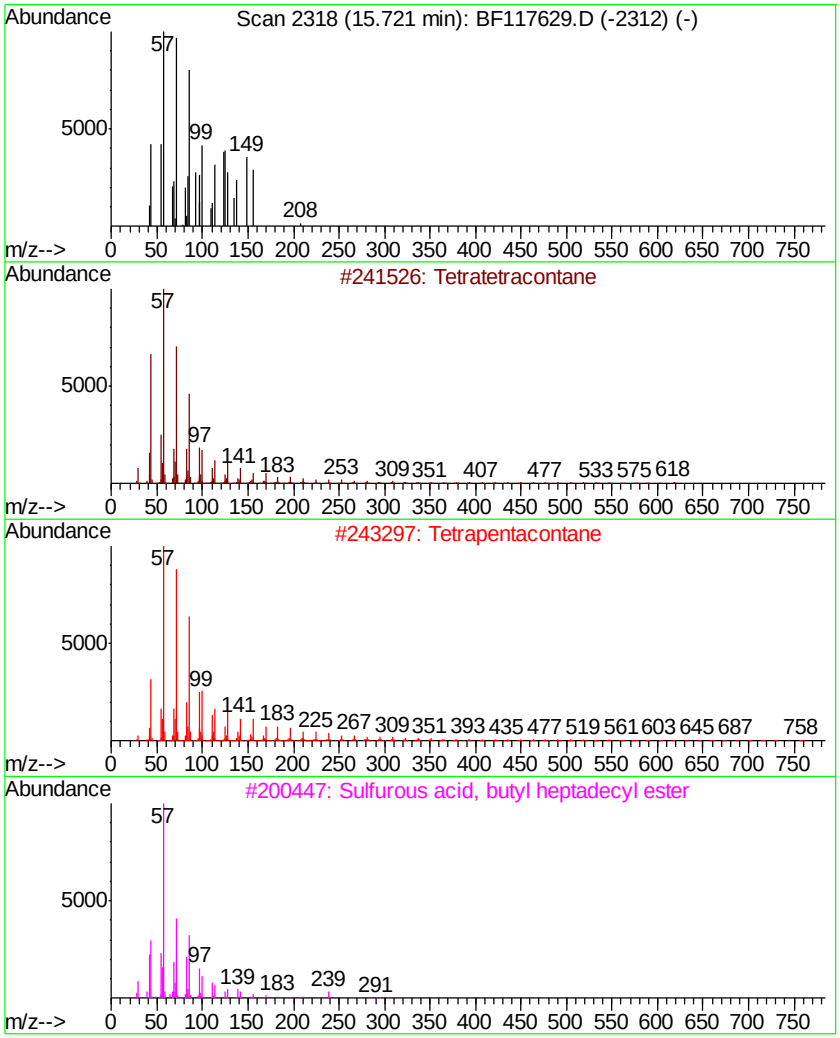
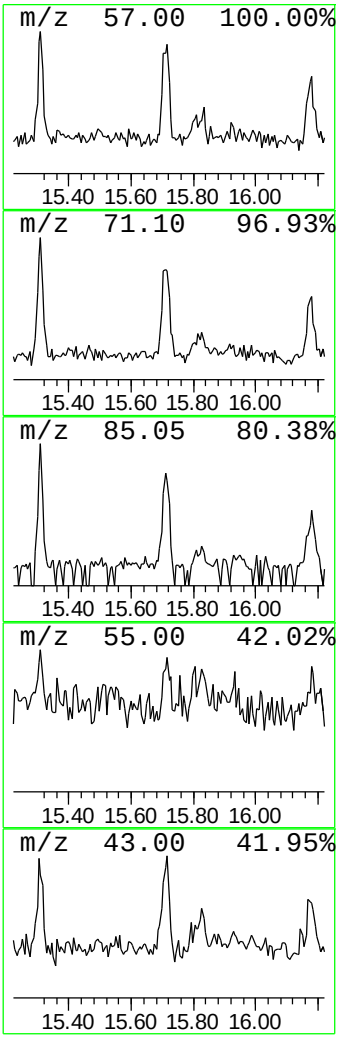
Peak Number 7 Tetratetracontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.82 ng	27097	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	64
2	Tetrapentacontane	759	C54H110	005856-66-6	64
3	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	59
4	Eicosane	282	C20H42	000112-95-8	53
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	50





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Misc :
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Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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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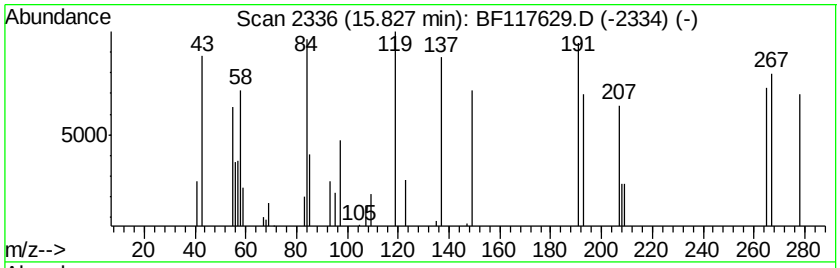
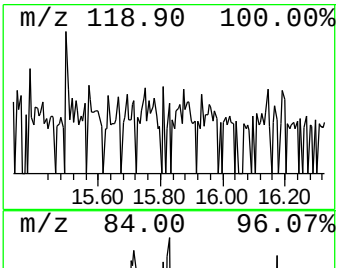
Peak Number 8 unknown15.83 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	2.01 ng	14247	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone, 1,5-dimethyl-3,...	265	C18H19NO	030223-75-7	10
2	Benzenemethanol, 2-amino-3-methyl-	137	C8H11NO	057772-50-6	9
3	1-[1-(2-Fluorenyl)ethylidenelsem...	265	C16H15N3O	057700-24-0	9
4	Benzenamine, 3-butoxy-N,N-dimethyl-	193	C12H19NO	055401-83-7	9
5	2-Fluoro-3-(trifluoromethyl)benz...	207	C8H5F4NO	207853-60-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117629.D
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Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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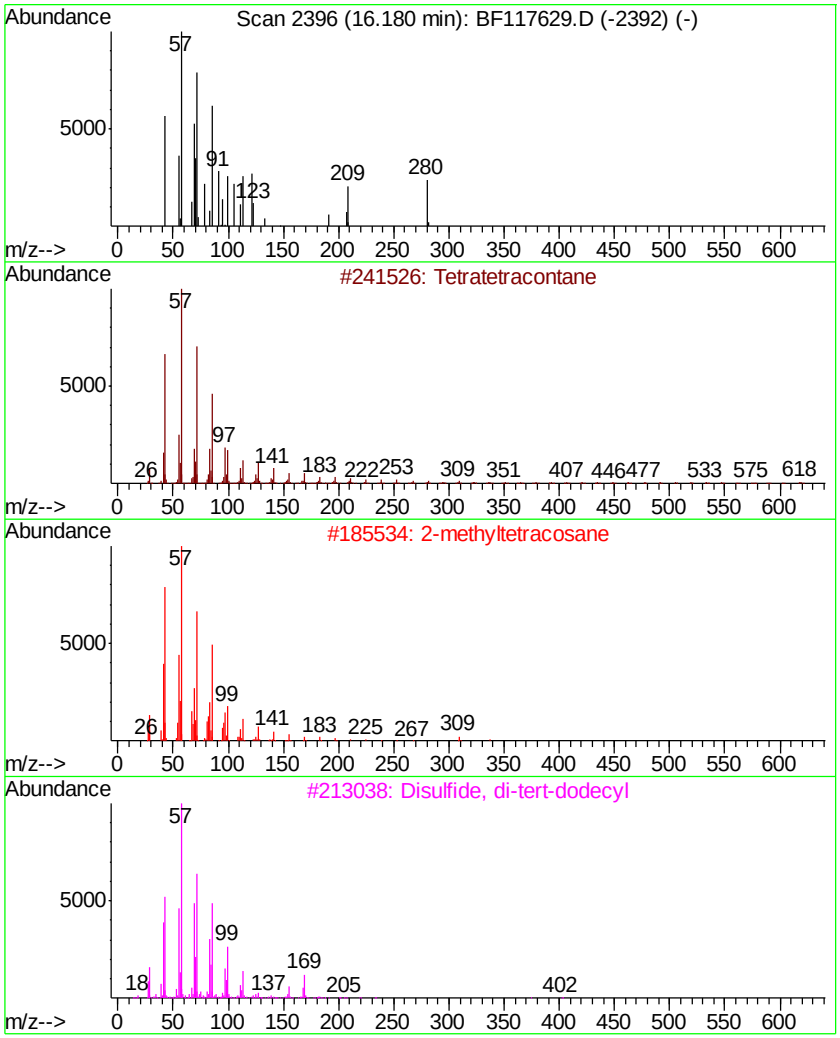
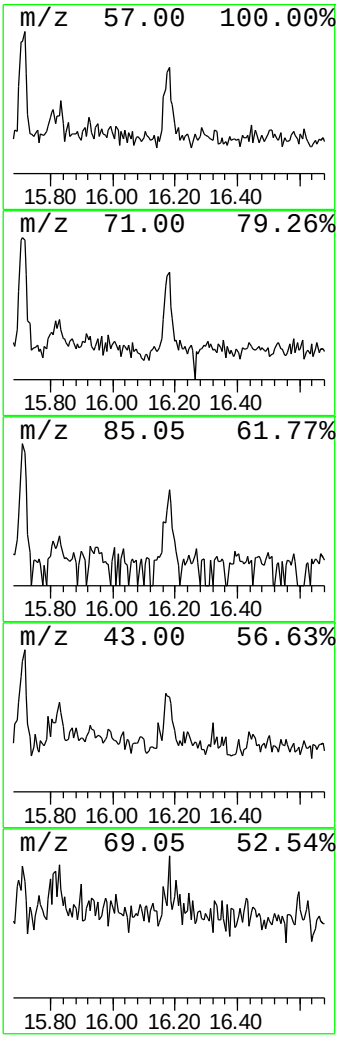
Peak Number 9 unknown16.18 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	2.26 ng	16036	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	47
2	2-methyltetracosane	352	C25H52	1000376-72-6	40
3	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	38
4	Tetratriacontane	479	C34H70	014167-59-0	38
5	Octacosane	394	C28H58	000630-02-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103019\
Data File : BF117629.D
Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 51-00-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.50	6.50	70.9	ng	682107	1	6.73	192530	20.0
Phenanthrene, 2-m...	11.79	3.1	ng	28486	4	11.25	185786	20.0
n-Tetracosanol-1	13.74	5.5	ng	87244	5	13.89	316670	20.0
Benzo[e]pyrene	15.03	3.6	ng	25544	6	15.33	141904	20.0
Perylene	15.22	6.0	ng	42256	6	15.33	141904	20.0
Tetratetracontane	15.72	3.8	ng	27097	6	15.33	141904	20.0
unknown15.83	15.83	2.0	ng	14247	6	15.33	141904	20.0
unknown16.18	16.18	2.3	ng	16036	6	15.33	141904	20.0