LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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	582	rBV	404044	486654	82.93%	6.729%
2	6.381	727	730	748	rBV	429955	550277	93.77%	7.608%
3	6.510	748	752	761	rVB	586851	563095	95.95%	7.786%
4	6.734	786	790	804	rBB	315260	280600	47.81%	3.880%
5	6.886	813	816	828	rBV	471182	410453	69.94%	5.675%
6	7.298	882	886	902	rBV	300982	320858	54.67%	4.436%
7	8.016	1004	1008	1025	rBV	402399	372452	63.47%	5.150%
8	9.086	1186	1190	1202	rBV	735190	586851	100.00%	8.114%
9	9.480	1255	1257	1266	rBV	53194	51128	8.71%	0.707%
10	9.627	1280	1282	1286	rBV	11575	8817	1.50%	0.122%
11	9.763	1302	1305	1309	rBV	459676	408445	69.60%	5.647%
12	9.798	1309	1311	1315	rVB	13445	12118	2.06%	0.168%
13	10.316	1396	1399	1404	rBV	14753	14658	2.50%	0.203%
14	10.557	1437	1440	1454	rBB	310070	294504	50.18%	4.072%
15	11.251	1554	1558	1560	rBV	417472	339397	57.83%	4.693%
16	11.274	1560	1562	1568	rVV	123795	108115	18.42%	1.495%
17	11.327	1568	1571	1575	rVB	19742	20918	3.56%	0.289%
18	11.492	1595	1599	1605	rBV3	7419	12170	2.07%	0.168%
19	11.757	1641	1644	1646	rBV	20095	21454	3.66%	0.297%
20	11.780	1646	1648	1654	rVB2	40747	41279	7.03%	0.571%
21	11.863	1660	1662	1665	rBV	31009	33992	5.79%	0.470%
22	11.892	1665	1667	1670	rVB2	12771	10876	1.85%	0.150%
23	12.304	1733	1737	1740	rBV2	25870	25696	4.38%	0.355%
24	12.339	1740	1743	1745	rVV2	12119	12841	2.19%	0.178%
25	12.404	1749	1754	1756	rBV4	8743	12139	2.07%	0.168%
26	12.463	1761	1764	1773	rBV	156433	154862	26.39%	2.141%
27	12.563	1778	1781	1786	rVB2	7499	7904	1.35%	0.109%
28	12.616	1786	1790	1793	rBV3	8231	8291	1.41%	0.115%
29	12.692	1798	1803	1810	rBV	147915	164067	27.96%	2.268%
30	12.751	1810	1813	1816	rVB4	7306	8440	1.44%	0.117%
31	12.833	1823	1827	1830	rBV	457867	397998	67.82%	5.503%
32	12.863	1830	1832	1835	rVB2	7253	7386	1.26%	0.102%
33	12.910	1837	1840	1841	rBV2	9376	9621	1.64%	0.133%
34	12.998	1852	1855	1856	rBV3	8637	7780	1.33%	0.108%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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	13.021	1857	1859	1863	rVB	19842	20470	3.49%	0.283%
36	13.092	1868	1871	1874	rVB2	16562	15278	2.60%	0.211%
37	13.127	1874	1877	1881	rBV2	16936	20905	3.56%	0.289%
38	13.221	1890	1893	1896	rVB	11686	9425	1.61%	0.130%
39	13.251	1896	1898	1902	rBV3	10302	10483	1.79%	0.145%
40	13.545	1945	1948	1952	rVB	9556	11980	2.04%	0.166%
41	13.645	1963	1965	1967	rBV2	11539	8429	1.44%	0.117%
42	13.668	1967	1969	1972	rVB2	10194	9491	1.62%	0.131%
43	13.698	1972	1974	1976	rBV2	9455	7284	1.24%	0.101%
44	13.733	1977	1980	1991	rVB6	27015	61071	10.41%	0.844%
45	13.892	2002	2007	2010	rBV2	305448	368978	62.87%	5.102%
46	13.921	2010	2012	2015	rVB	65043	58068	9.89%	0.803%
47	14.051	2031	2034	2039	rBV7	15352	28773	4.90%	0.398%
48	14.280	2068	2073	2077	rBV4	22032	37255	6.35%	0.515%
49	14.351	2083	2085	2088	rBV2	16271	11509	1.96%	0.159%
50	14.645	2133	2135	2141	rVB4	29959	35266	6.01%	0.488%
51	14.715	2144	2147	2153	rVB	90864	91388	15.57%	1.264%
52	14.921	2178	2182	2184	rBV	57028	69993	11.93%	0.968%
53	15.021	2197	2199	2206	rVB7	15956	22393	3.82%	0.310%
54	15.209	2228	2231	2234	rBV	34524	37771	6.44%	0.522%
55	15.268	2238	2241	2245	rVV	51740	62368	10.63%	0.862%
56	15.327	2246	2251	2264	rVB	236967	333892	56.90%	4.617%
57	15.721	2315	2318	2322	rBV3	29353	44694	7.62%	0.618%
58	16.198	2395	2399	2404	rVB6	21101	35681	6.08%	0.493%
59	16.739	2487	2491	2498	rVB4	25194	45327	7.72%	0.627%
60	16.951	2526	2527	2530	rBV3	9340	8131	1.39%	0.112%

Sum of corrected areas: 7232439

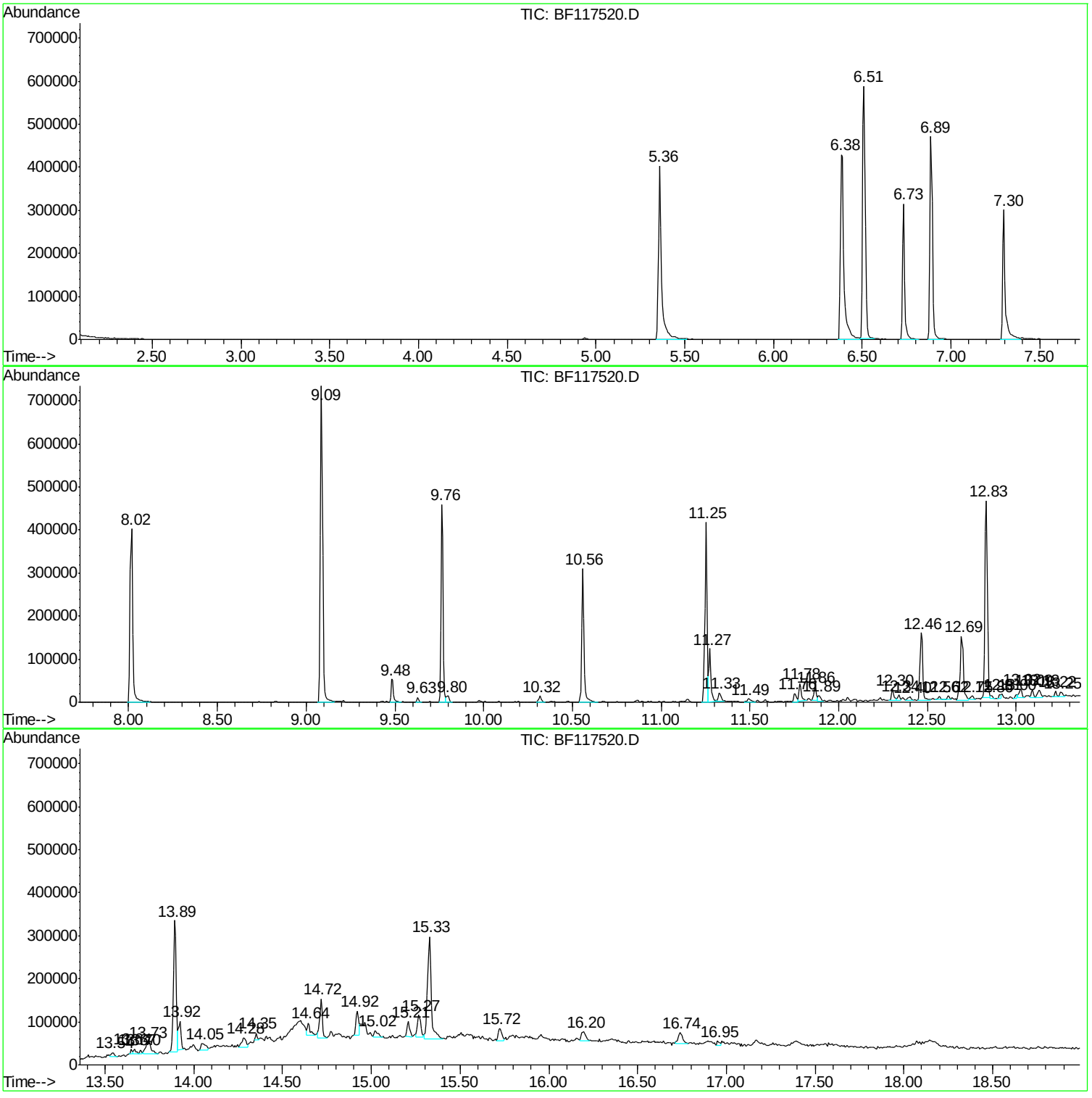
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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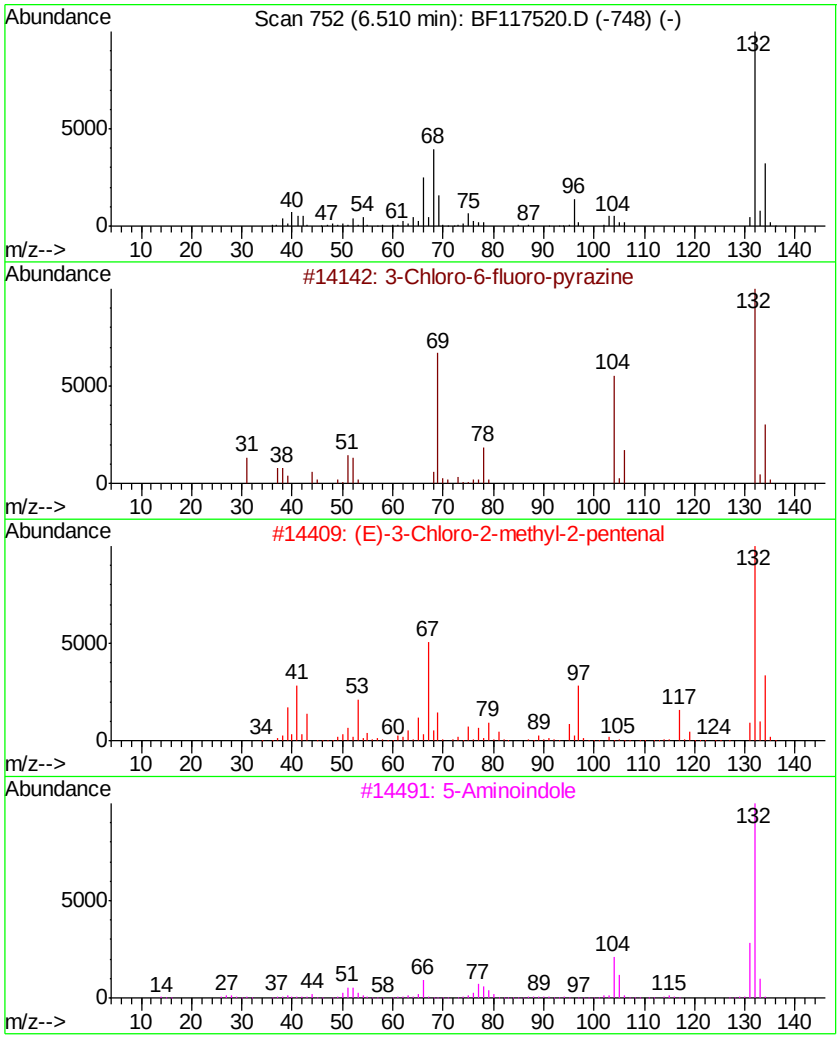
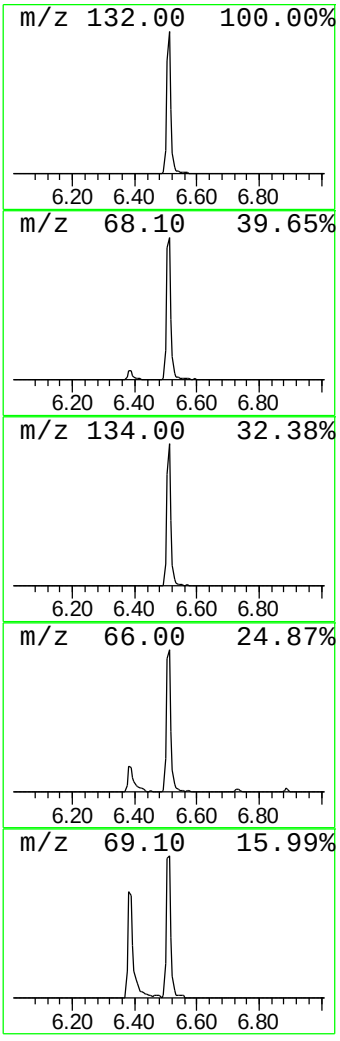
Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	40.14 ng	563095	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	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Xenon	132	Xe	007440-63-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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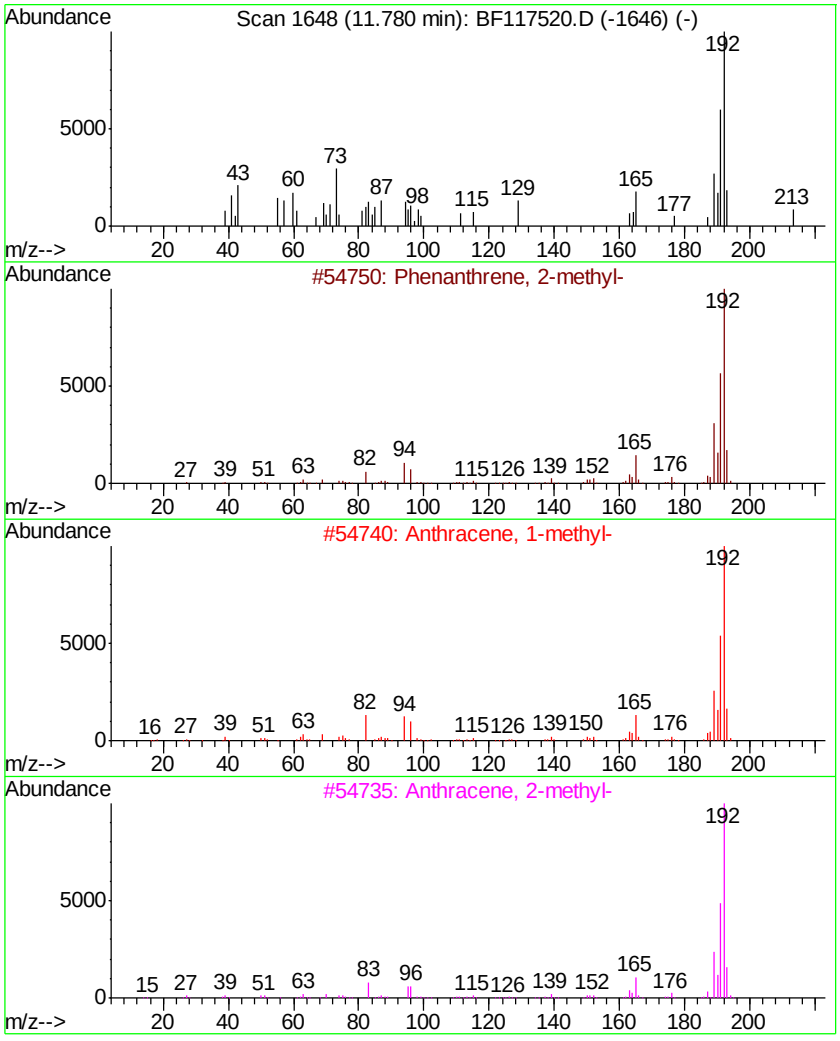
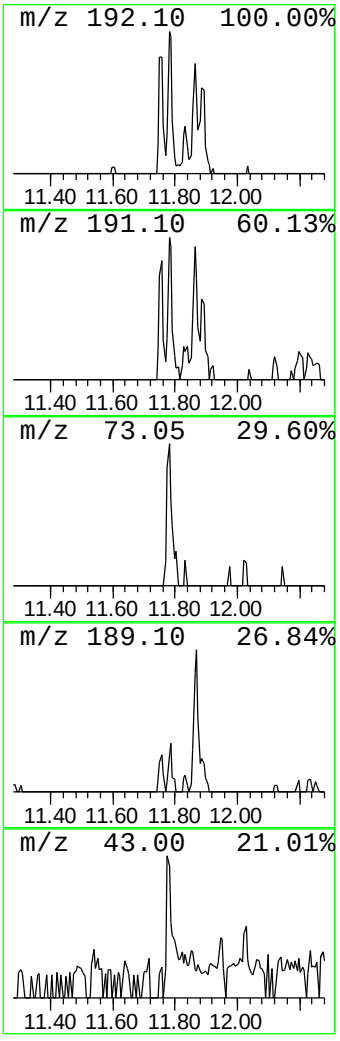
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	2.43 ng	41279	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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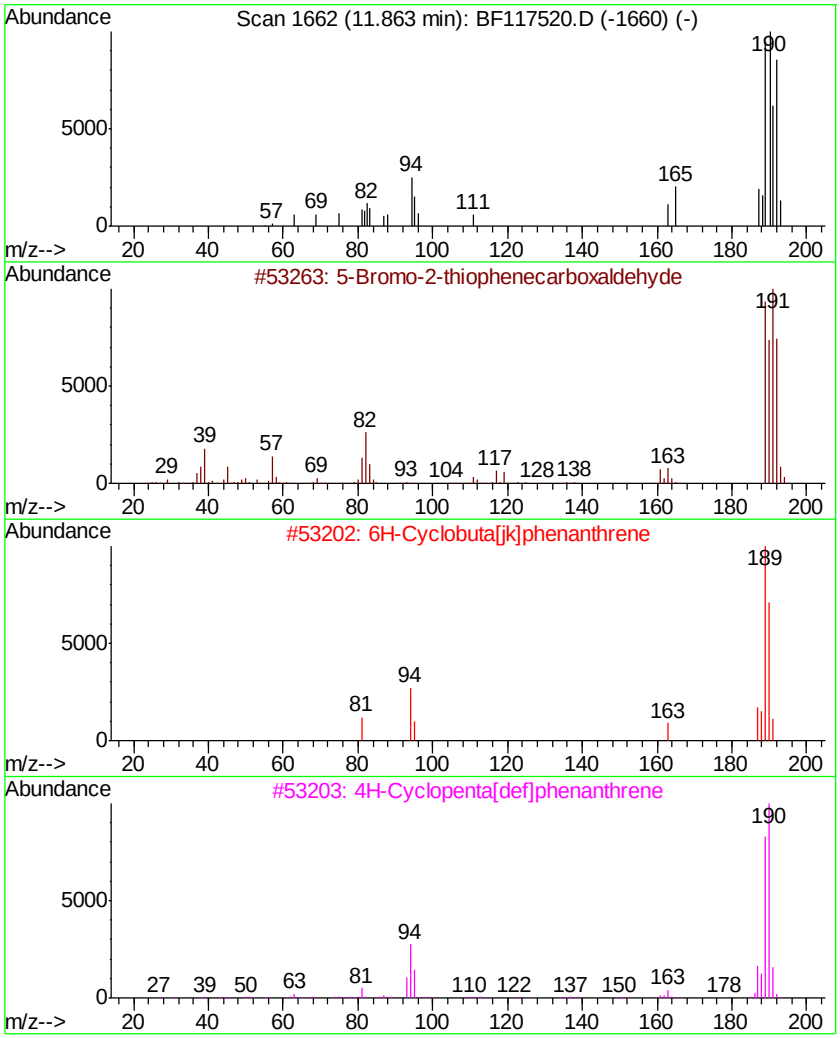
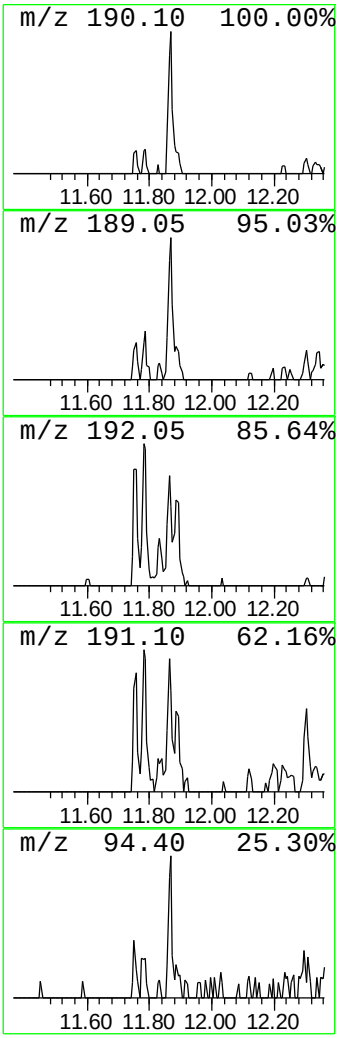
Peak Number 4 5-Bromo-2-thiophenecarboxal... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.00 ng	33992	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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

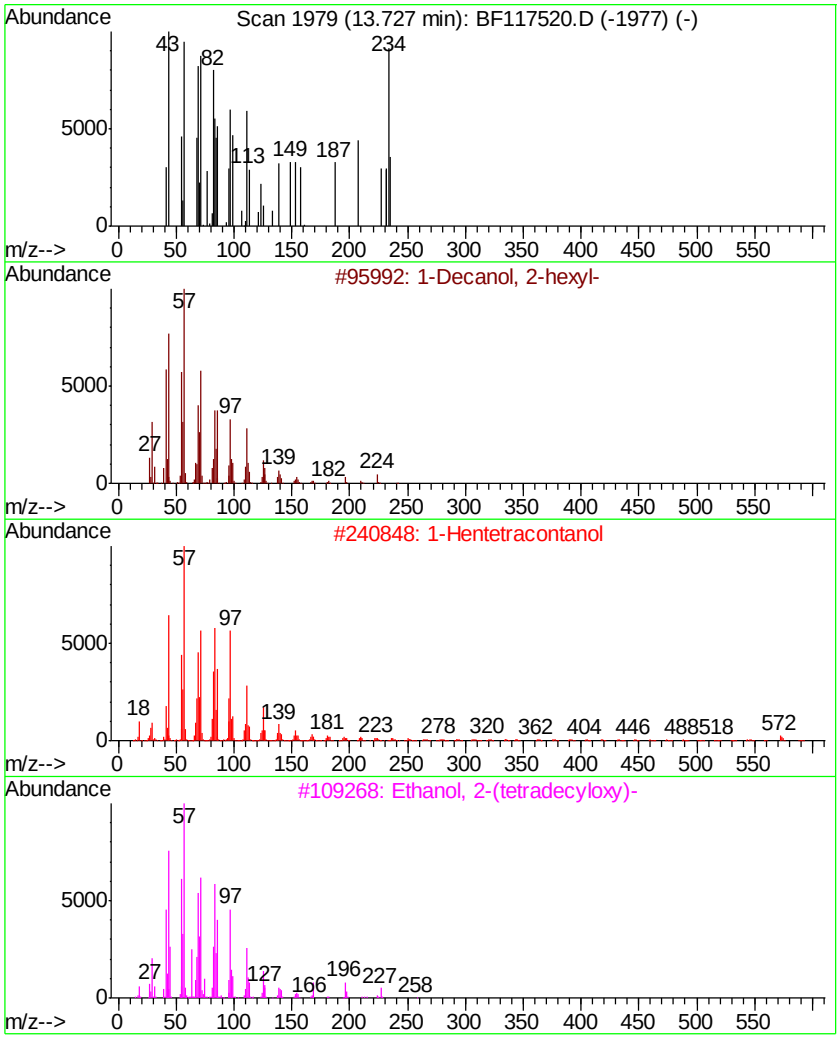
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

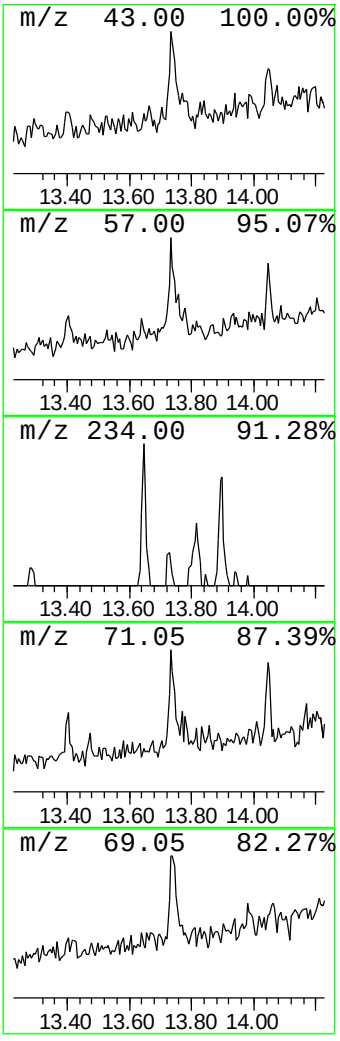
****

Peak Number 5 1-Decanol, 2-hexyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.31 ng	61071	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	58
2	1-Hentetracontanol	593	C41H84O	040710-42-7	46
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	43
4	Tetratriacontyl trifluoroacetate	591	C36H69F3O2	1000351-75-3	43
5	Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	43





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-102319

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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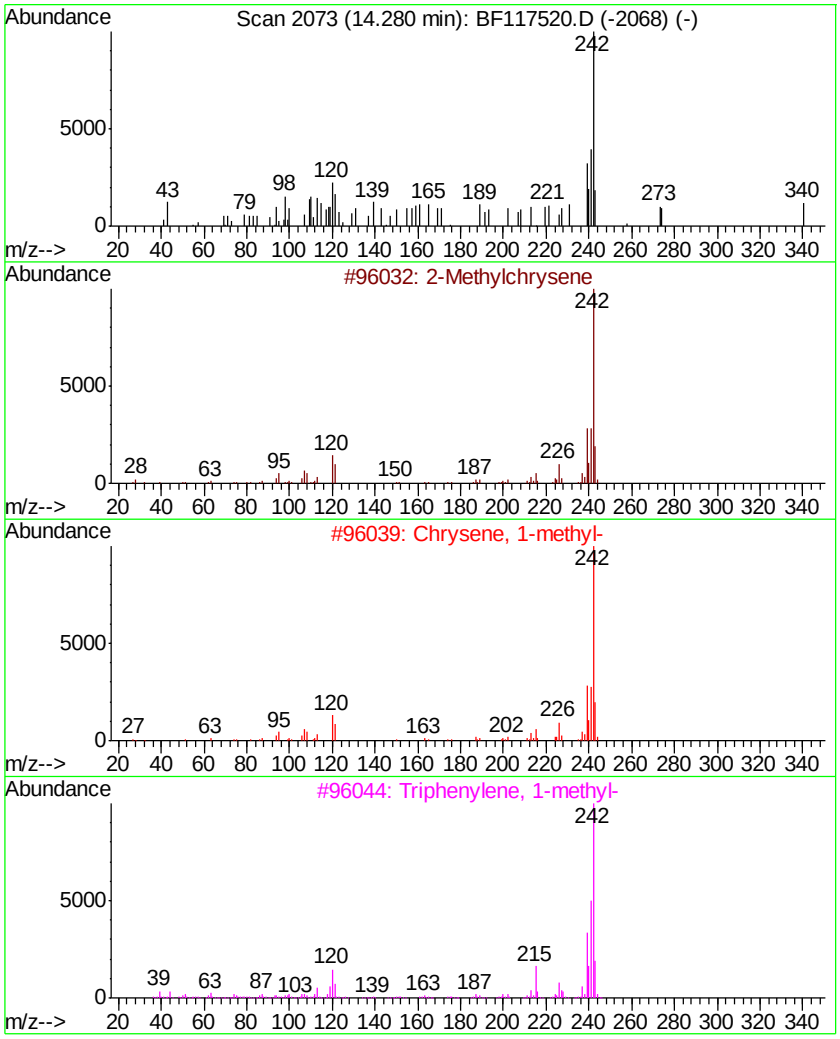
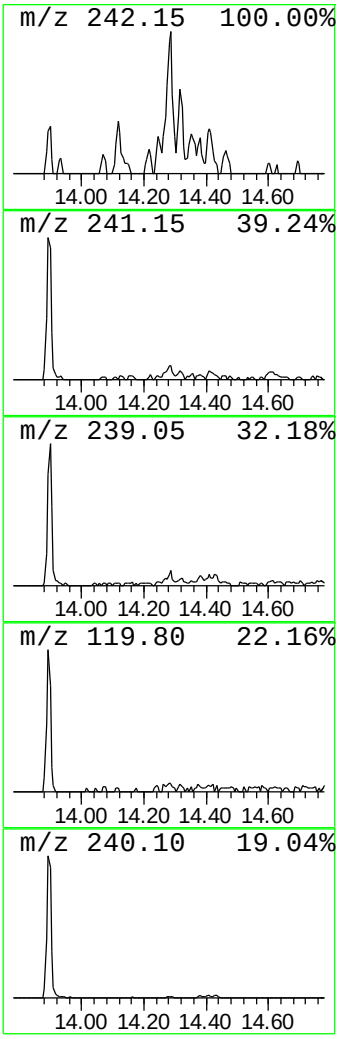
Peak Number 6 2-Methylchrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	2.02 ng	37255	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	53
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	53
3	Triphenylene, 1-methyl-	242	C19H14	002871-91-2	52
4	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	52
5	9H-Fluorene, 9-phenyl-	242	C19H14	000789-24-2	50





Library Search Compound Report

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Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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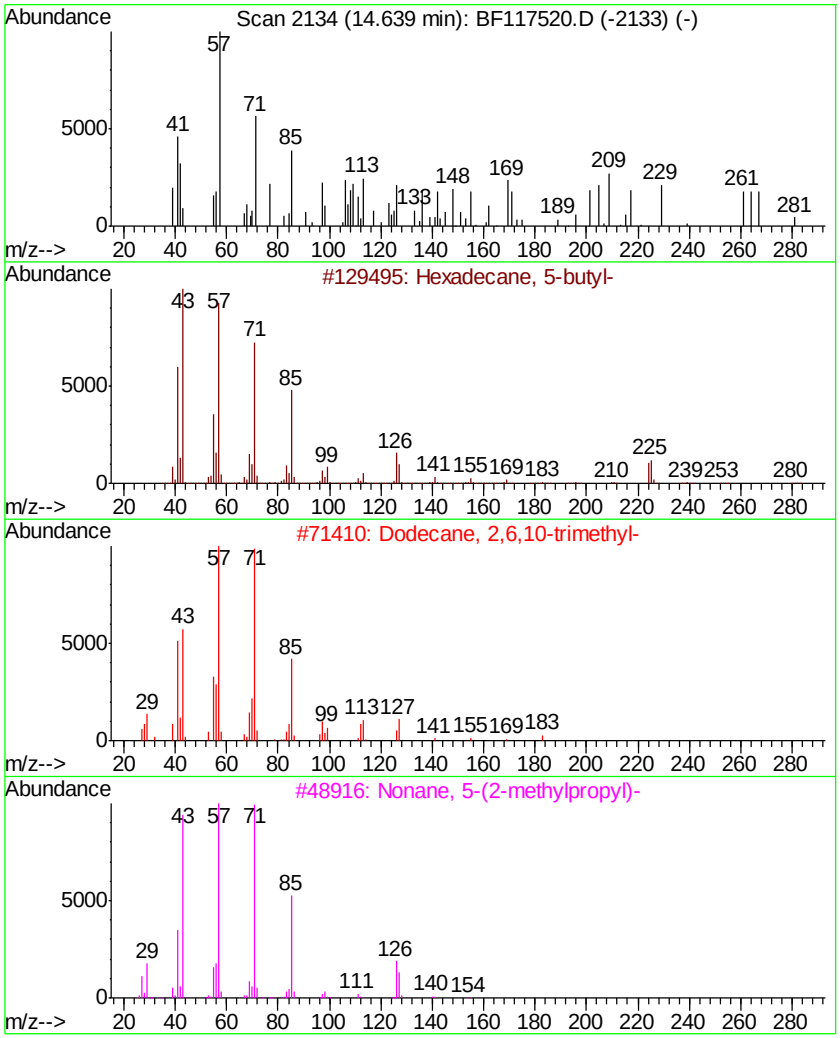
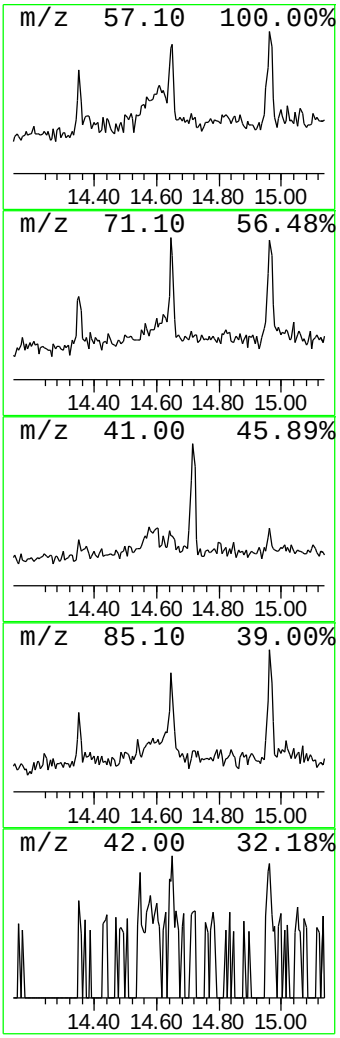
Peak Number 7 unknown14.64 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.11 ng	35266	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	47
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	43
4	2-Bromononane	206	C9H19Br	002216-35-5	43
5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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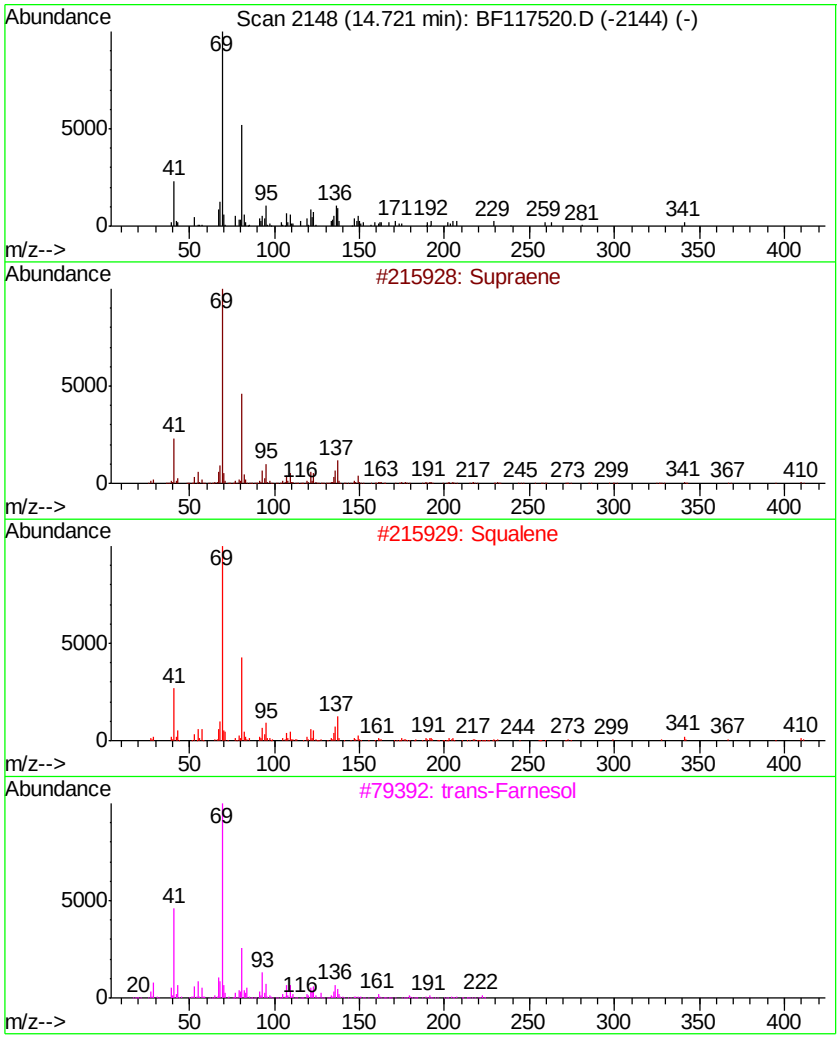
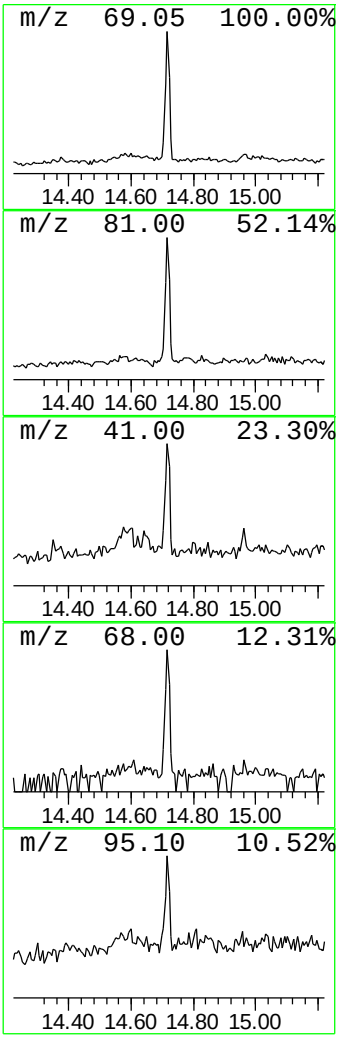
Peak Number 8 Supraene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	5.47 ng	91388	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	83
2	Squalene	410	C30H50	000111-02-4	80
3	trans-Farnesol	222	C15H26O	000106-28-5	72
4	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	59
5	2,6-Octadiene, 2,7-dimethyl-	138	C10H18	016736-42-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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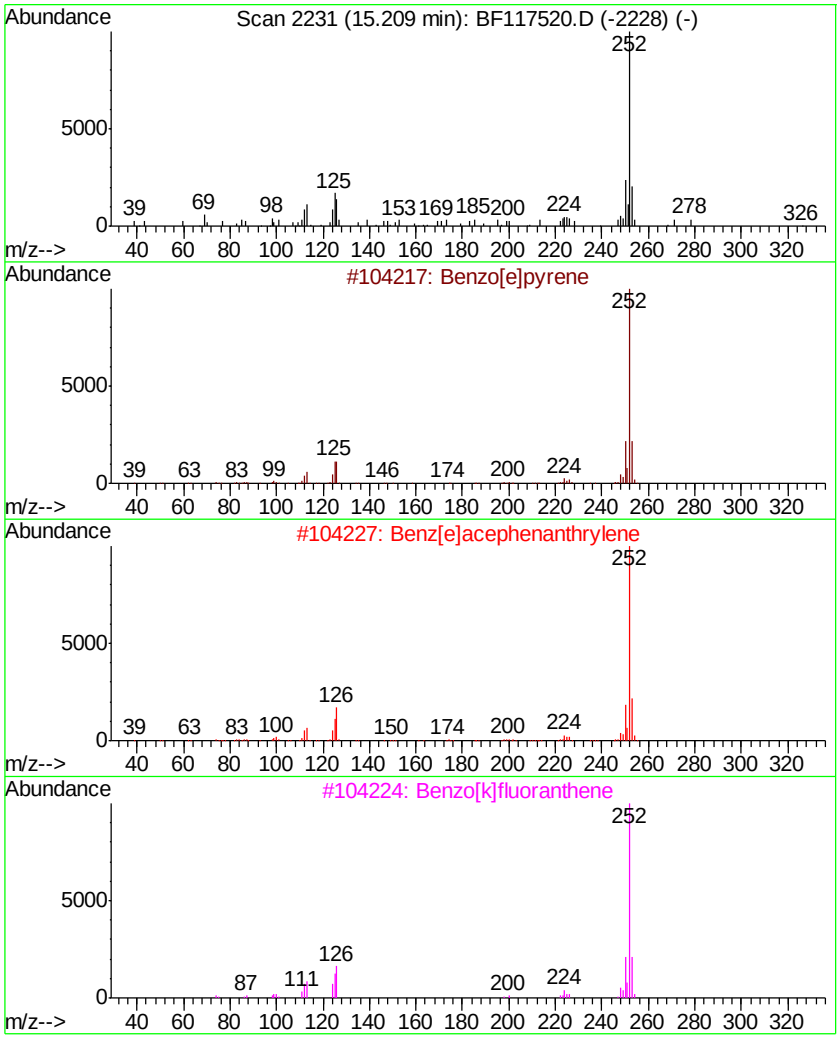
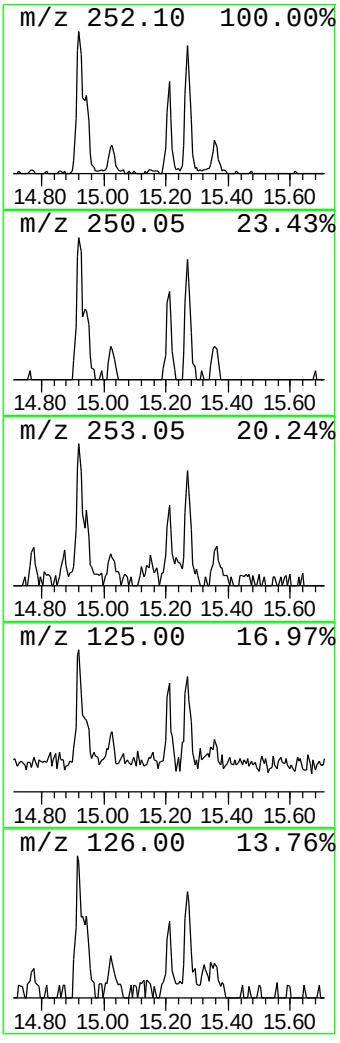
Peak Number 9 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	2.26 ng	37771	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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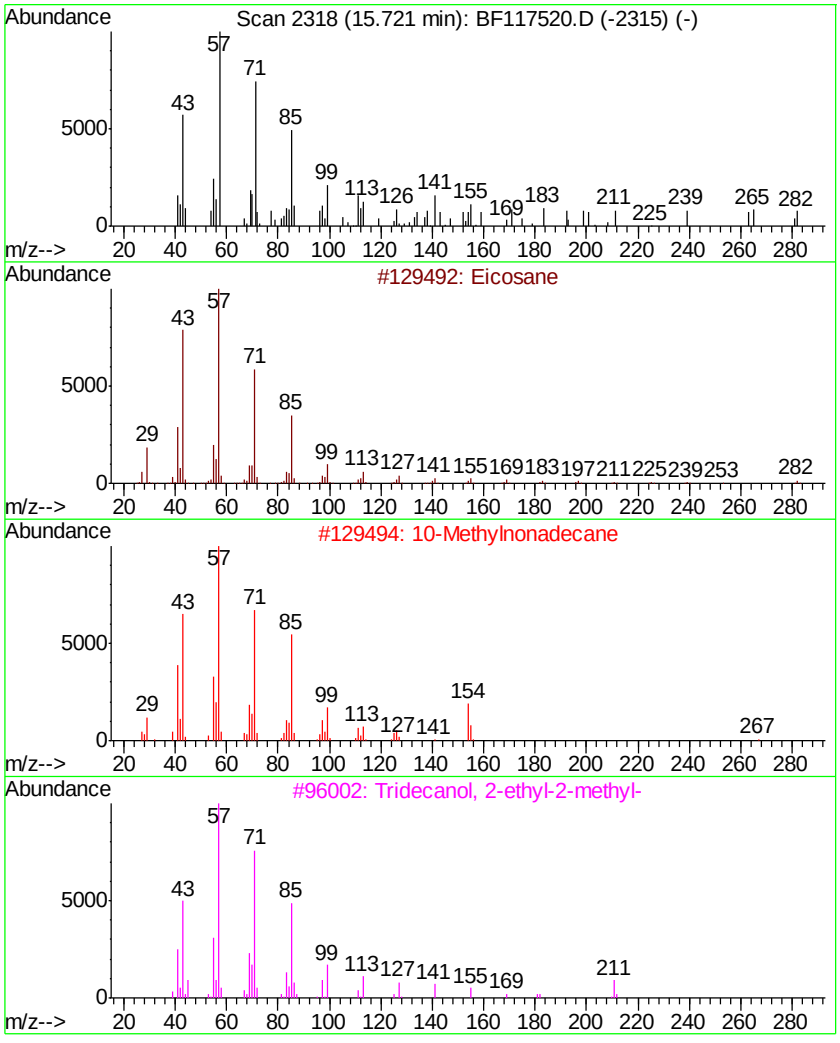
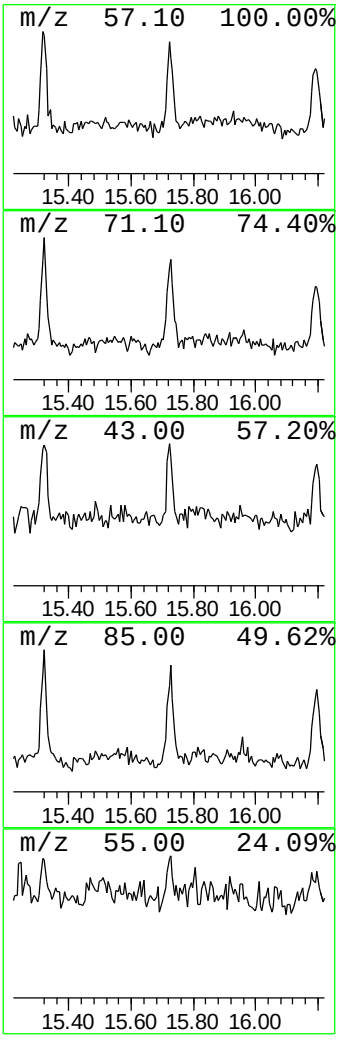
Peak Number 10 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.68 ng	44694	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	10-Methylnonadecane	282	C20H42	056862-62-5	81
3	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Heneicosane	296	C21H44	000629-94-7	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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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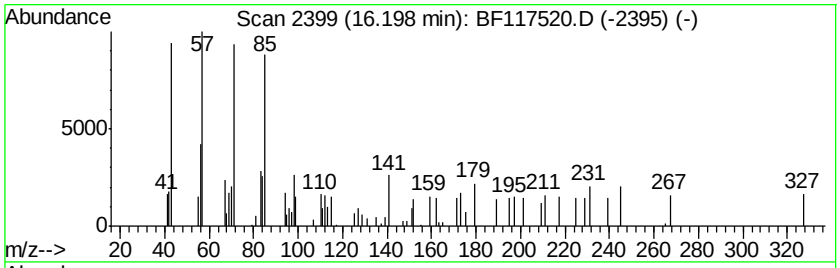
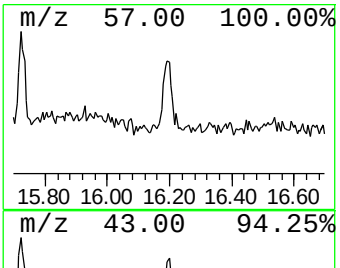
Peak Number 11 unknown16.20 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.14 ng	35681	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	43
2	10-Methylnonadecane	282	C20H42	056862-62-5	43
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	43
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-102319

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
unknown6.51	6.51	40.1	ng	563095	1	6.73	280600	20.0
Phenanthrene, 2-m...	11.78	2.4	ng	41279	4	11.25	339397	20.0
5-Bromo-2-thiophe...	11.86	2.0	ng	33992	4	11.25	339397	20.0
1-Decanol, 2-hexyl-	13.73	3.3	ng	61071	5	13.89	368978	20.0
2-Methylchrysene	14.28	2.0	ng	37255	5	13.89	368978	20.0
unknown14.64	14.64	2.1	ng	35266	6	15.33	333892	20.0
Supraene	14.72	5.5	ng	91388	6	15.33	333892	20.0
Benzo[e]pyrene	15.21	2.3	ng	37771	6	15.33	333892	20.0
Eicosane	15.72	2.7	ng	44694	6	15.33	333892	20.0
unknown16.20	16.20	2.1	ng	35681	6	15.33	333892	20.0