LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(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	4.287	372	374	380	rBV	5089	7848	1.74%	0.110%
2	4.928	480	483	491	rBB2	8183	11239	2.50%	0.157%
3	5.357	553	556	582	rBV	283116	371809	82.63%	5.196%
4	6.387	728	731	749	rBV	333511	432366	96.08%	6.042%
5	6.510	749	752	766	rVB	459194	449983	100.00%	6.288%
6	6.734	787	790	799	rBV	324989	286304	63.63%	4.001%
7	6.887	813	816	830	rBV	348147	305613	67.92%	4.271%
8	7.298	882	886	900	rBV	226483	247065	54.91%	3.452%
9	8.016	1004	1008	1021	rBV	428370	387426	86.10%	5.414%
10	8.598	1104	1107	1111	rBB	7392	6486	1.44%	0.091%
11	8.969	1167	1170	1174	rBV2	5470	7046	1.57%	0.098%
12	9.086	1185	1190	1202	rBV	519296	428123	95.14%	5.983%
13	9.480	1255	1257	1266	rVB	54313	51963	11.55%	0.726%
14	9.763	1302	1305	1310	rBV	488206	429921	95.54%	6.008%
15	9.798	1310	1311	1319	rVB	11133	8112	1.80%	0.113%
16	10.169	1370	1374	1377	rBV	40651	29020	6.45%	0.406%
17	10.316	1396	1399	1404	rBB	9293	7825	1.74%	0.109%
18	10.557	1437	1440	1448	rBV	250142	222248	49.39%	3.106%
19	10.698	1460	1464	1468	rVB2	8247	13169	2.93%	0.184%
20	10.739	1468	1471	1473	rBV	12879	11770	2.62%	0.164%
21	10.769	1473	1476	1479	rVV2	14389	14844	3.30%	0.207%
22	10.804	1479	1482	1484	rVV	14215	12726	2.83%	0.178%
23	10.827	1484	1486	1489	rVB	7866	6422	1.43%	0.090%
24	10.869	1489	1493	1494	rBV3	5142	5946	1.32%	0.083%
25	10.916	1498	1501	1504	rVV3	12130	14909	3.31%	0.208%
26	10.951	1504	1507	1510	rVV	14044	13547	3.01%	0.189%
27	10.992	1512	1514	1516	rVB2	7622	5993	1.33%	0.084%
28	11.069	1525	1527	1531	rVB2	5042	5146	1.14%	0.072%
29	11.110	1531	1534	1536	rBV2	8429	8159	1.81%	0.114%
30	11.151	1538	1541	1544	rVB2	6293	6684	1.49%	0.093%
31	11.251	1554	1558	1560	rBV	428038	354626	78.81%	4.956%
32	11.274	1560	1562	1568	rVV	167472	143081	31.80%	1.999%
33	11.327	1568	1571	1575	rVB	19139	20522	4.56%	0.287%
34	11.374	1575	1579	1584	rBV5	4135	6397	1.42%	0.089%

LSC Area Percent Report

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Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(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	11.492	1597	1599	1604	rVB	13594	15006	3.33%	0.210%
36	11.716	1632	1637	1639	rBV4	5919	8189	1.82%	0.114%
37	11.751	1639	1643	1645	rBV	12798	12103	2.69%	0.169%
38	11.780	1645	1648	1652	rBV2	78600	75945	16.88%	1.061%
39	11.869	1659	1663	1665	rBV	22078	23575	5.24%	0.329%
40	11.886	1665	1666	1669	rVB2	8385	6487	1.44%	0.091%
41	12.045	1691	1693	1697	rVB	9982	9847	2.19%	0.138%
42	12.086	1697	1700	1705	rBV	15324	19205	4.27%	0.268%
43	12.198	1716	1719	1722	rBV4	6125	5749	1.28%	0.080%
44	12.304	1731	1737	1740	rBV5	12438	16555	3.68%	0.231%
45	12.339	1740	1743	1745	rBV3	8057	8956	1.99%	0.125%
46	12.363	1745	1747	1750	rVB	11604	10533	2.34%	0.147%
47	12.404	1750	1754	1757	rVB3	11007	12654	2.81%	0.177%
48	12.469	1761	1765	1768	rBV	250343	239327	53.19%	3.344%
49	12.563	1778	1781	1787	rBV5	23847	35773	7.95%	0.500%
50	12.621	1787	1791	1793	rVB3	8144	9837	2.19%	0.137%
51	12.651	1793	1796	1798	rBV4	9681	9943	2.21%	0.139%
52	12.692	1798	1803	1807	rBV	203083	227814	50.63%	3.183%
53	12.833	1823	1827	1829	rBV	292613	272791	60.62%	3.812%
54	12.851	1829	1830	1835	rVB2	20276	20769	4.62%	0.290%
55	12.916	1837	1841	1845	rVB6	11678	16346	3.63%	0.228%
56	13.027	1853	1860	1863	rBV2	25349	44799	9.96%	0.626%
57	13.092	1868	1871	1873	rBV2	15399	14864	3.30%	0.208%
58	13.127	1873	1877	1879	rBV4	13153	15959	3.55%	0.223%
59	13.221	1891	1893	1895	rBV3	7689	5747	1.28%	0.080%
60	13.304	1904	1907	1910	rVB	46352	32198	7.16%	0.450%
61	13.445	1929	1931	1935	rBV5	7956	6456	1.43%	0.090%
62	13.504	1938	1941	1944	rBV5	17621	19229	4.27%	0.269%
63	13.545	1945	1948	1950	rBV2	17893	18735	4.16%	0.262%
64	13.651	1963	1966	1967	rBV2	21002	21362	4.75%	0.299%
65	13.698	1972	1974	1977	rBV2	12709	18528	4.12%	0.259%
66	13.751	1979	1983	1989	rVB3	29769	55563	12.35%	0.776%
67	13.863	1999	2002	2004	rBV	225095	203819	45.29%	2.848%
68	13.892	2004	2007	2010	rVV2	348297	425138	94.48%	5.941%
69	13.921	2010	2012	2018	rVB	125904	117225	26.05%	1.638%
70	14.004	2024	2026	2028	rVB2	20637	15691	3.49%	0.219%
71	14.045	2031	2033	2036	rBV3	15881	19744	4.39%	0.276%

LSC Area Percent Report

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Sample : K5499-05 2X
Misc :
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Instrument : BNA_F
ClientSampleId : 195-42-(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

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Peak separation: 5

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

72	14.510	2110	2112	2117	rVB2	41077	36829	8.18%	0.515%
73	14.651	2134	2136	2139	rVB3	28254	23383	5.20%	0.327%
74	14.721	2146	2148	2153	rVB4	34386	39491	8.78%	0.552%
75	14.921	2179	2182	2185	rBV	97379	125178	27.82%	1.749%
76	15.210	2228	2231	2235	rVB	63137	60237	13.39%	0.842%
77	15.274	2238	2242	2246	rVB	70547	90179	20.04%	1.260%
78	15.327	2247	2251	2255	rBV	210334	267565	59.46%	3.739%
79	16.745	2488	2492	2500	rVB2	45287	86504	19.22%	1.209%

Sum of corrected areas: 7156165

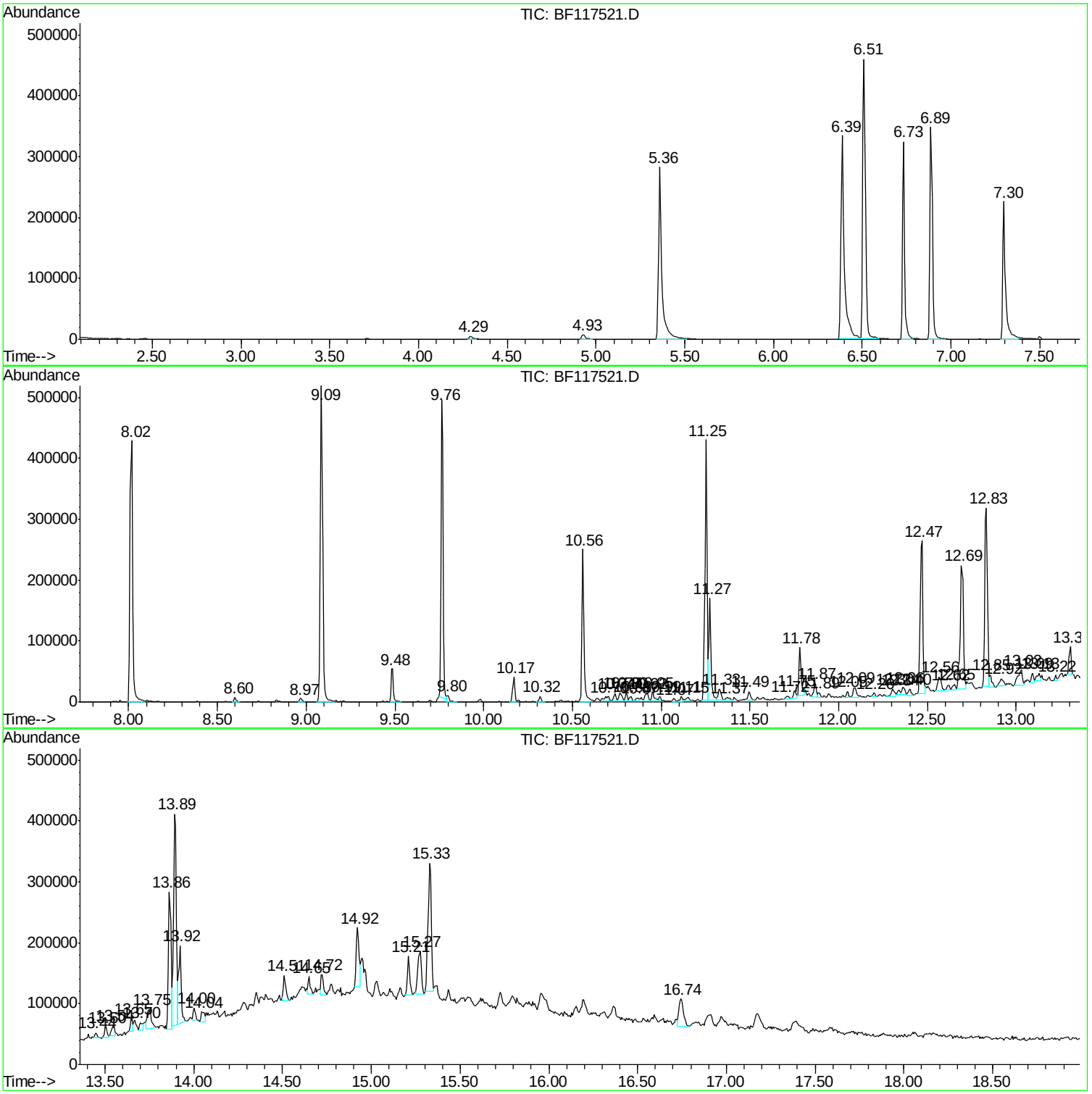
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
195-42-(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\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(0-1)

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

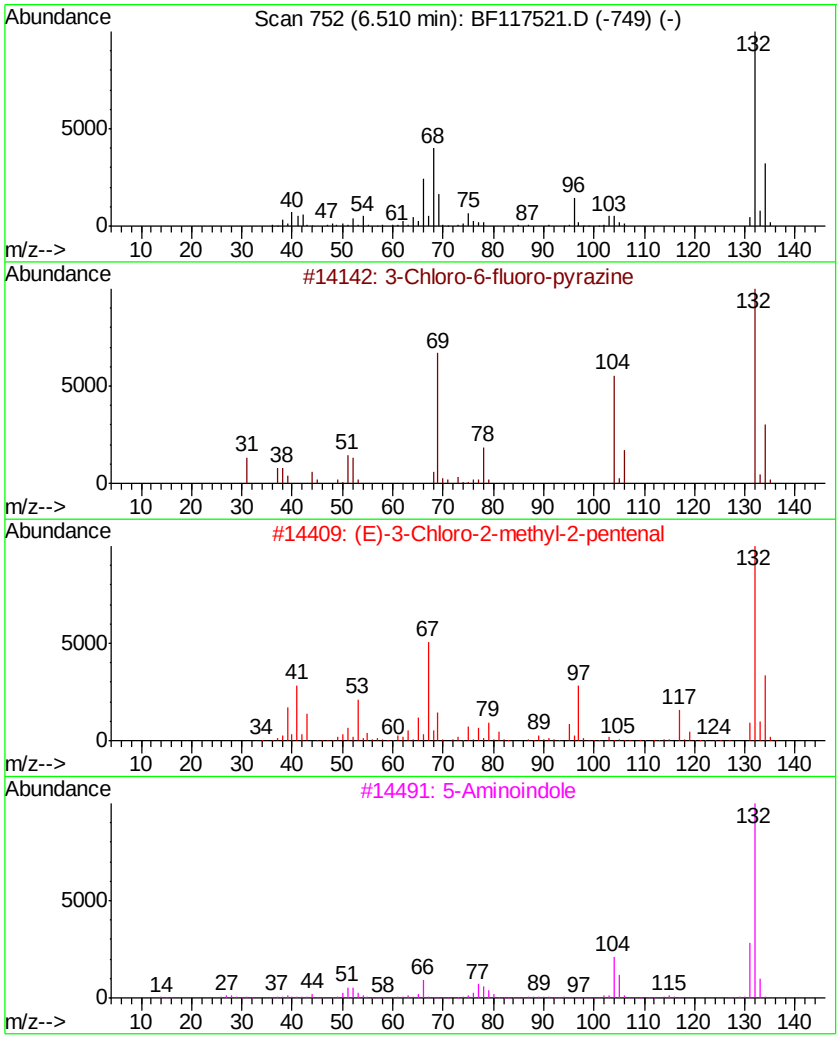
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

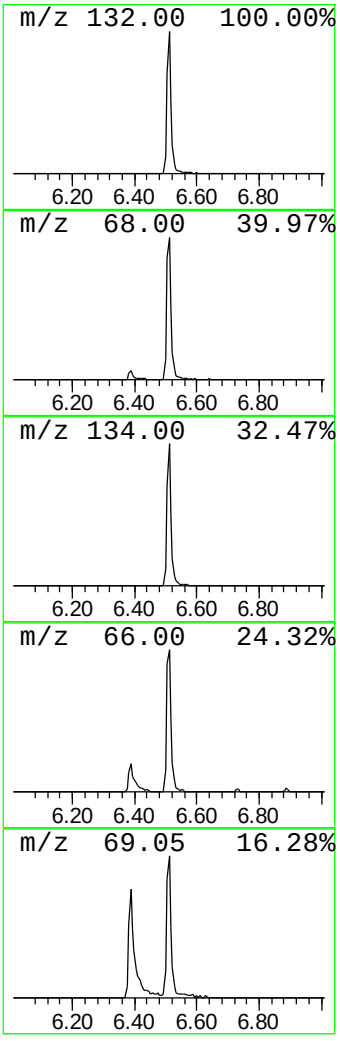
****

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	31.43 ng	449983	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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(0-1)

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

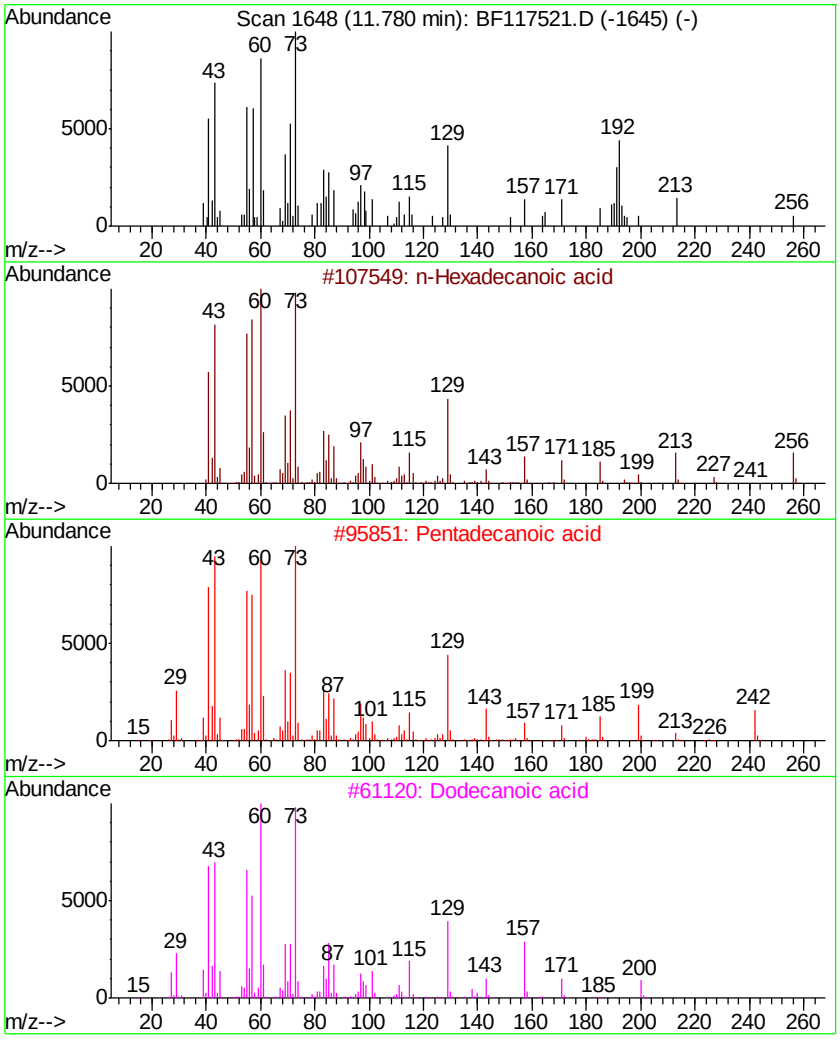
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

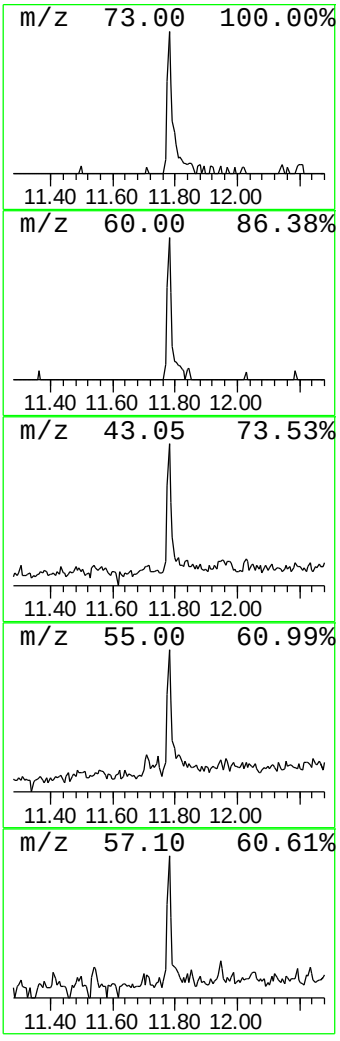
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.28 ng	75945	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	Dodecanoic acid	200	C12H24O2	000143-07-7	52
4	Tridecanoic acid	214	C13H26O2	000638-53-9	50
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
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Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(0-1)

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

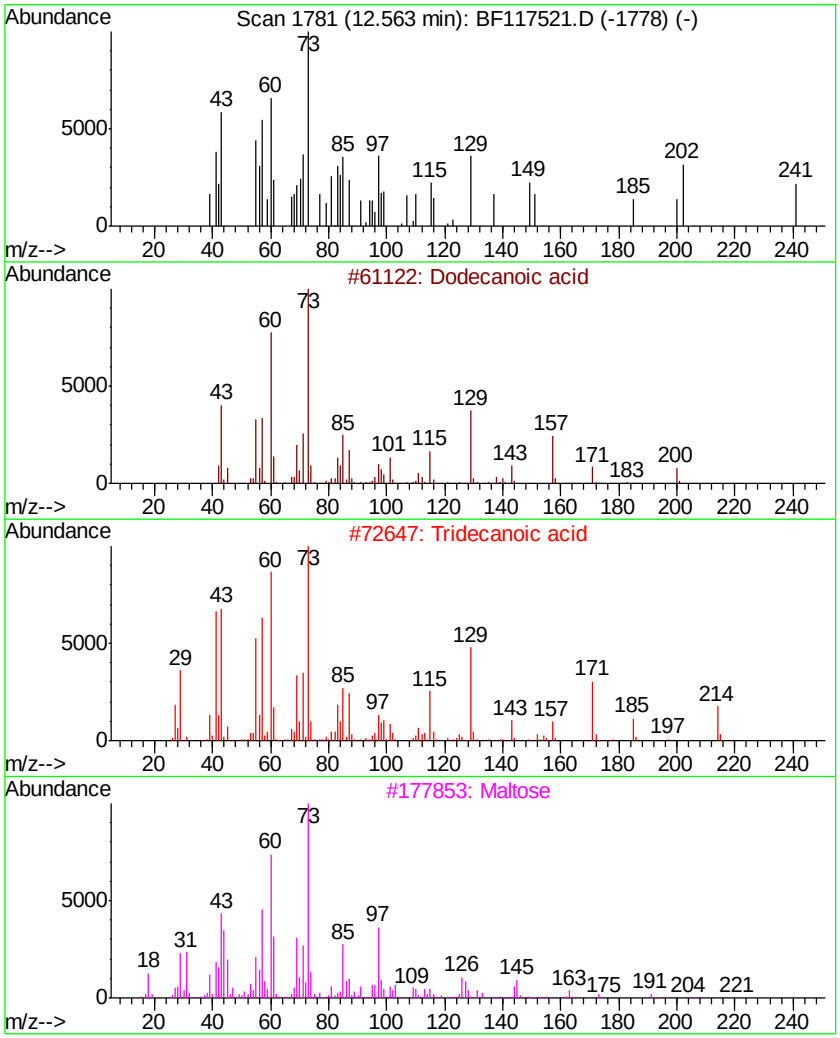
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

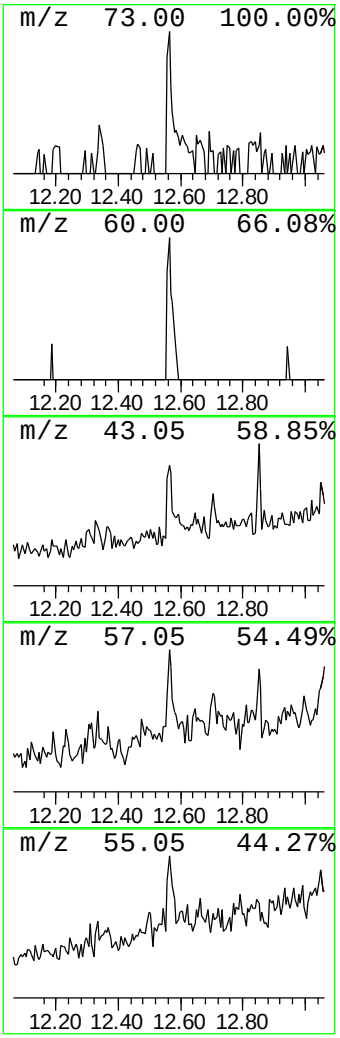
****

Peak Number 4 unknown12.56 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.02 ng	35773	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	47
2	Tridecanoic acid	214	C13H26O2	000638-53-9	47
3	Maltose	342	C12H22O11	000069-79-4	38
4	.alpha.-D-Glucopyranose, 4-O-.be...	342	C12H22O11	014641-93-1	35
5	.alpha.-D-Glucopyranoside, O-.al...	504	C18H32O16	000597-12-6	27





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Instrument : BNA_F
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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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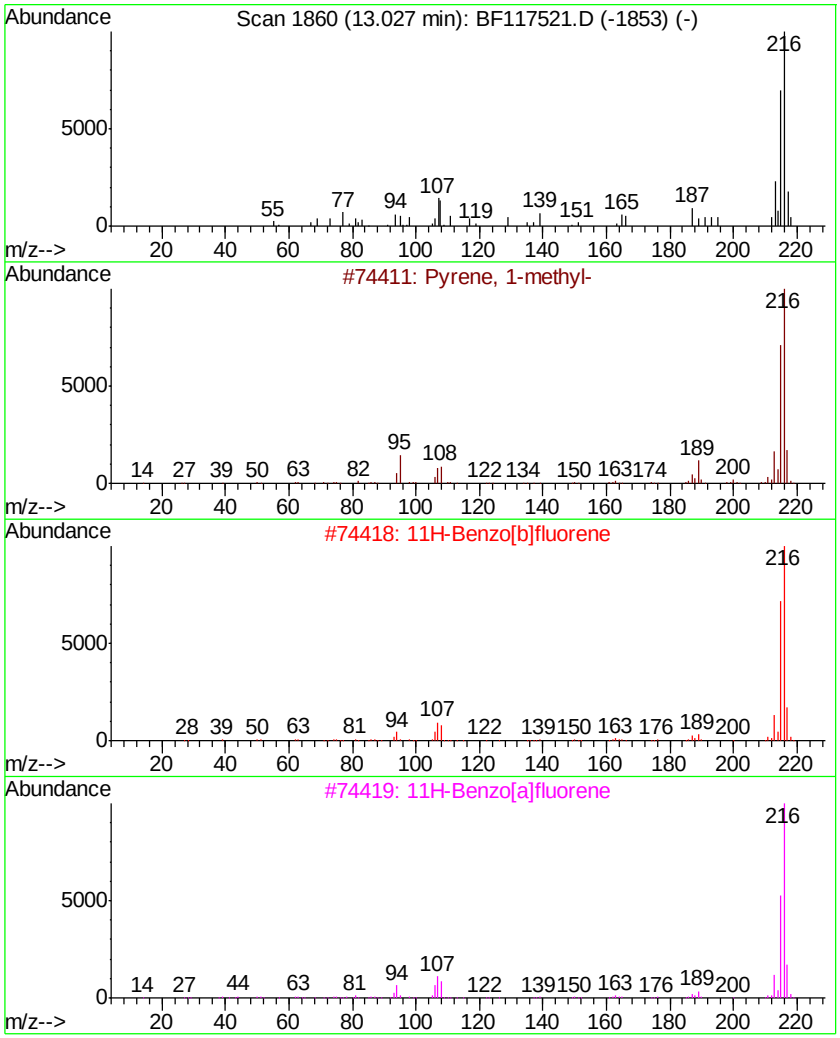
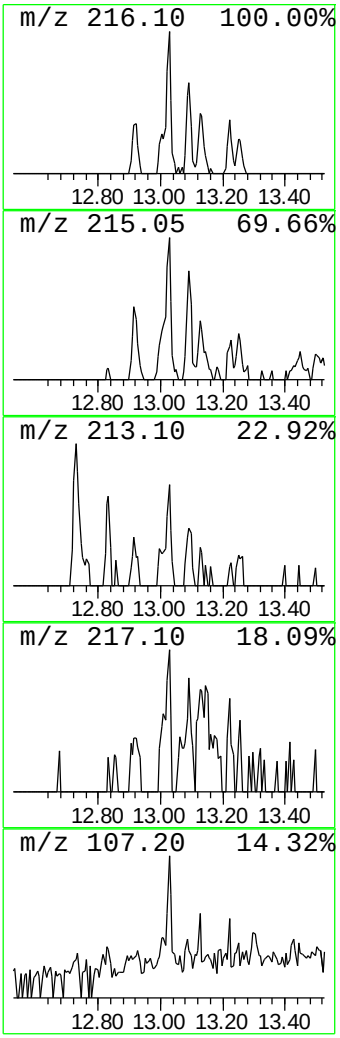
Peak Number 5 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.11 ng	44799	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(0-1)

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

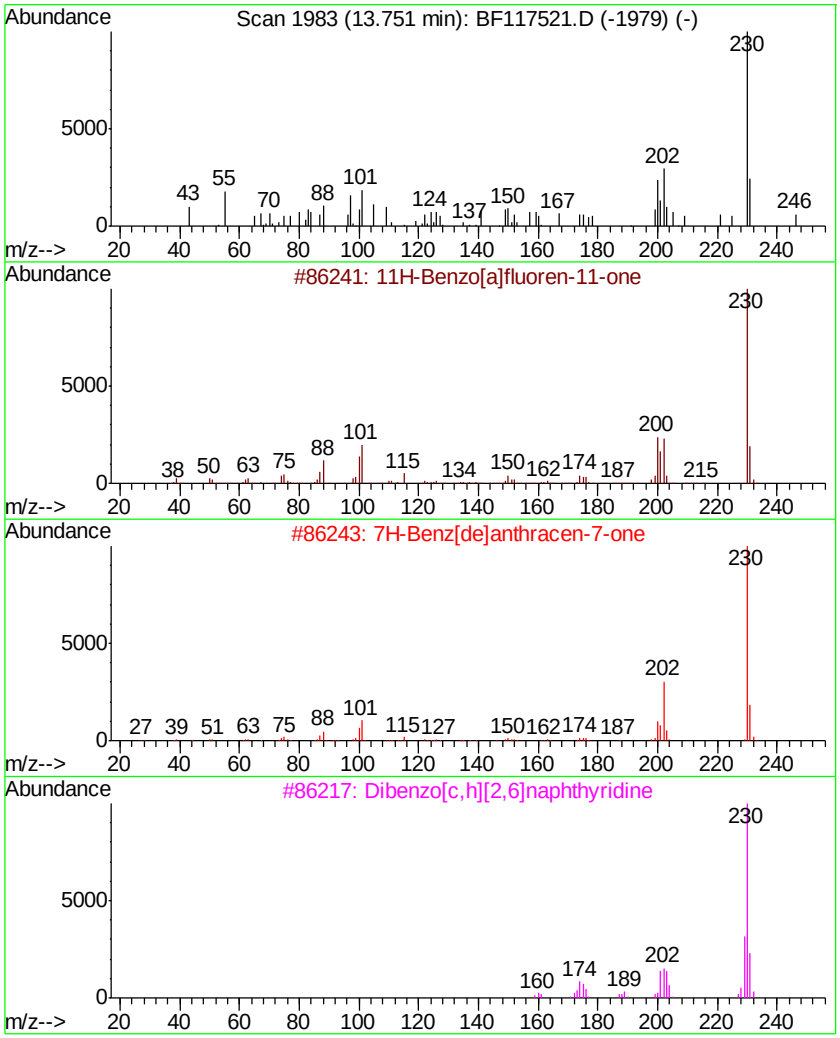
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

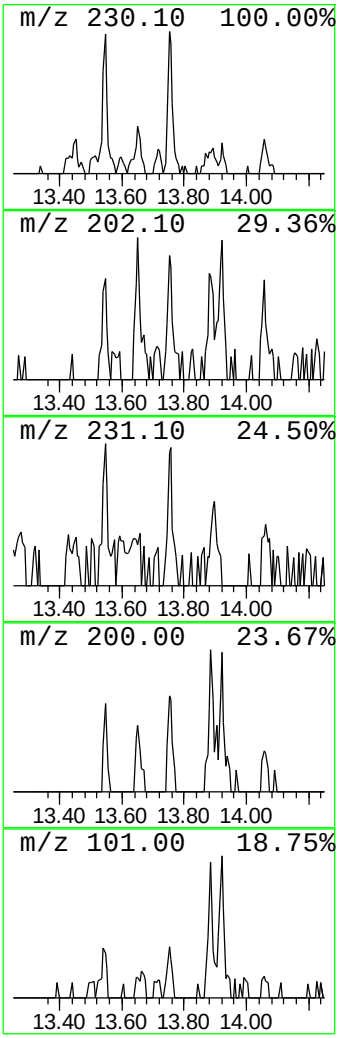
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.61 ng	55563	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	74
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
5	4,4'-Stilbenedicarbonitrile	230	C16H10N2	006292-62-2	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(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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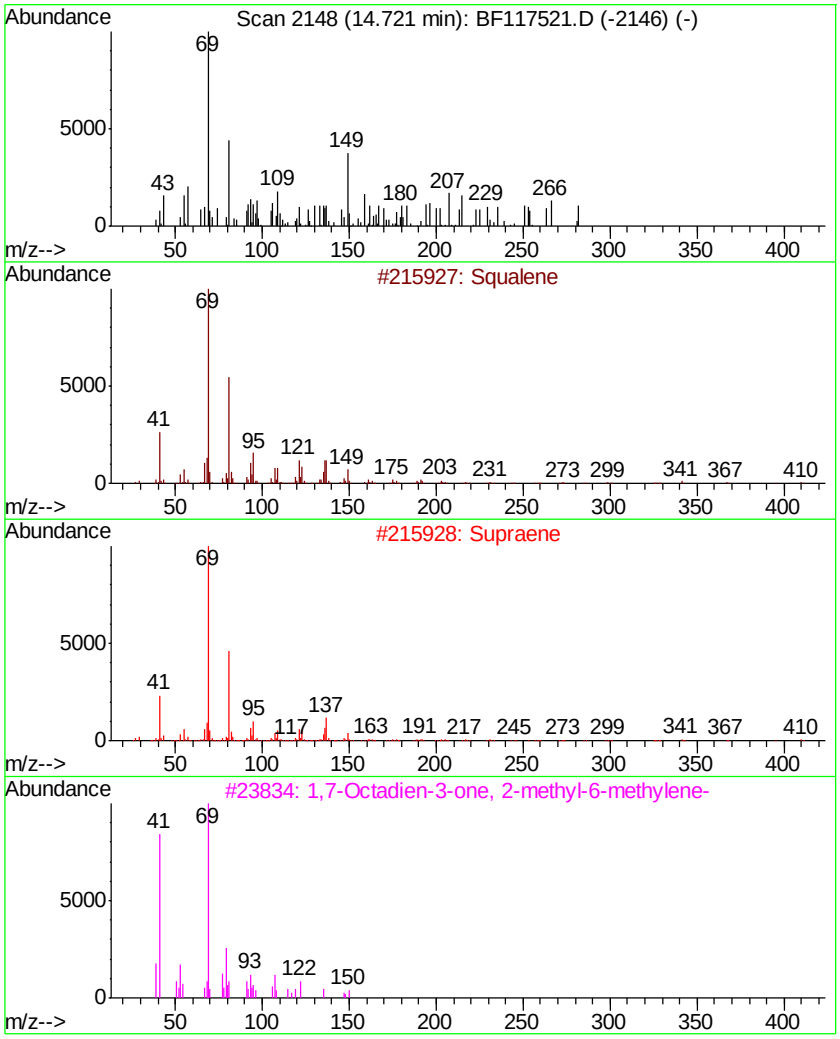
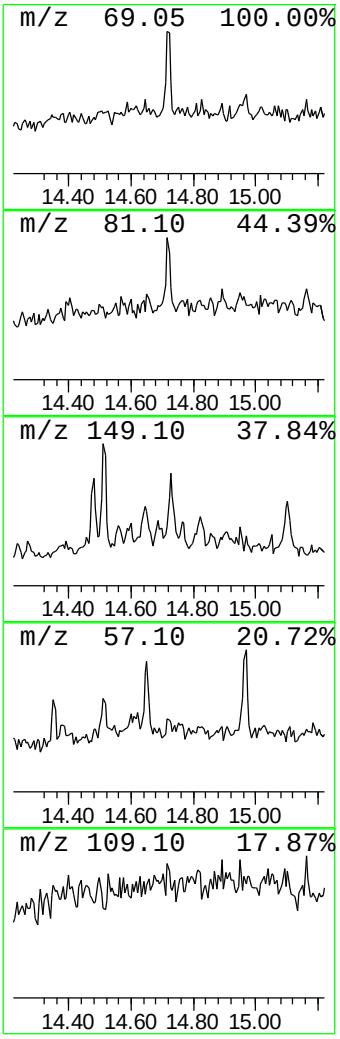
Peak Number 7 unknown14.72 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.95 ng	39491	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	35
2	Supraene	410	C30H50	007683-64-9	35
3	1,7-Octadien-3-one, 2-methyl-6-m...	150	C10H14O	041702-60-7	35
4	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	32
5	2,6-Dodecadiene, 2,6-dimethyl-	194	C14H26	1000164-67-6	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(0-1)

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

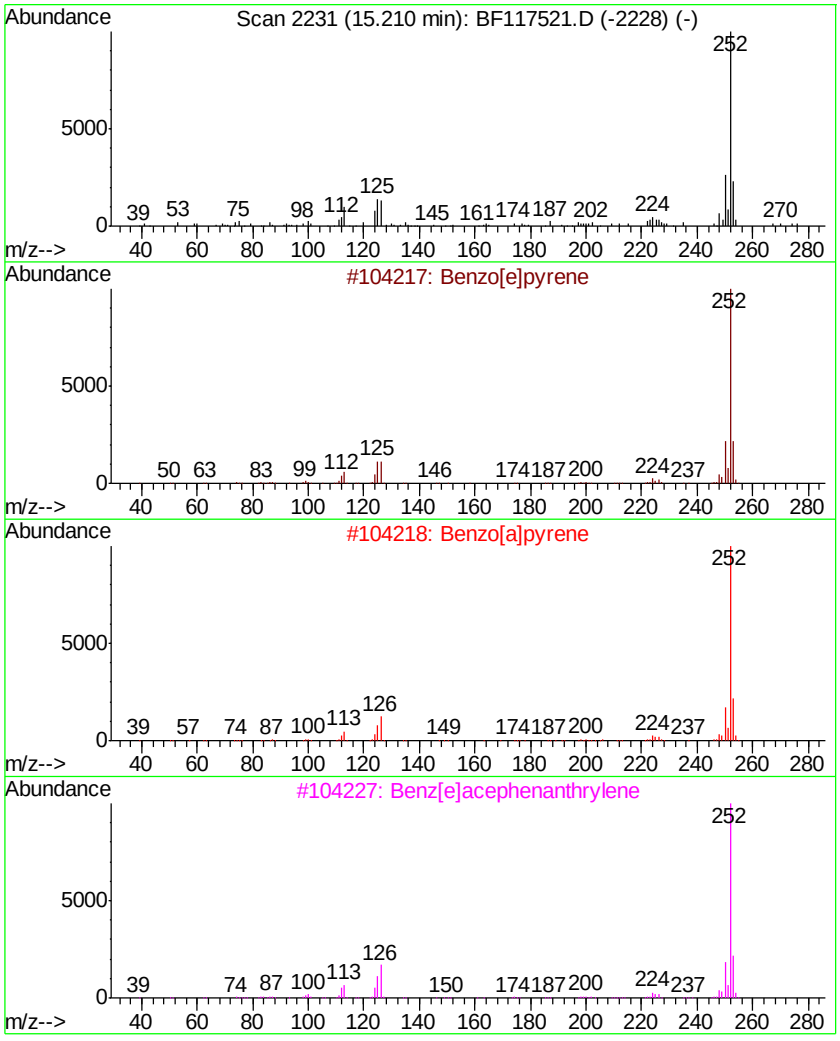
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

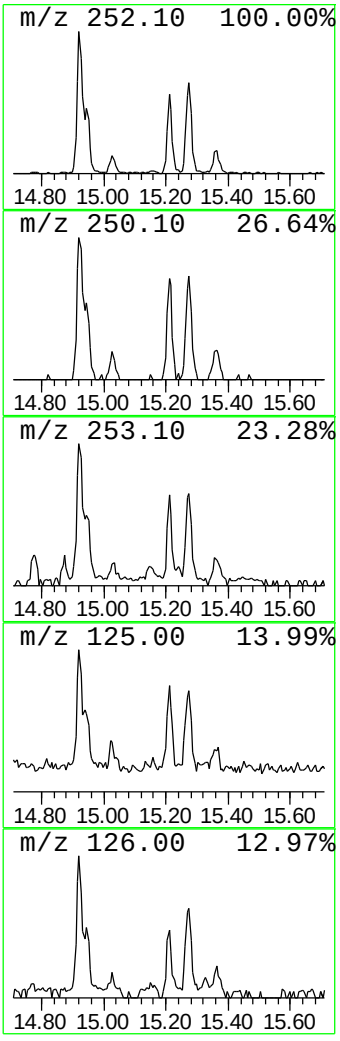
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.50 ng	60237	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102419\
Data File : BF117521.D
Acq On : 24 Oct 2019 20:13
Operator : JU
Sample : K5499-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 195-42-(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
unknown6.51	6.51	31.4	ng	449983	1	6.73	286304	20.0
n-Hexadecanoic acid	11.78	4.3	ng	75945	4	11.25	354626	20.0
unknown12.56	12.56	2.0	ng	35773	4	11.25	354626	20.0
Pyrene, 1-methyl-	13.03	2.1	ng	44799	5	13.90	425138	20.0
11H-Benzo[a]fluor...	13.75	2.6	ng	55563	5	13.90	425138	20.0
unknown14.72	14.72	3.0	ng	39491	6	15.33	267565	20.0
Benzo[e]pyrene	15.21	4.5	ng	60237	6	15.33	267565	20.0