LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

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-BF122419.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	5.045	500	503	513	rBV	76353	96555	10.89%	0.824%
2	5.469	572	575	593	rBV	505938	574773	64.85%	4.906%
3	6.487	745	748	766	rBV	538868	655239	73.93%	5.593%
4	6.622	768	771	778	rBV	791905	726802	82.00%	6.204%
5	6.851	807	810	819	rBV	463274	371290	41.89%	3.169%
6	7.010	833	837	848	rVB	633935	596786	67.33%	5.094%
7	7.416	903	906	920	rBV	399149	445259	50.24%	3.800%
8	8.139	1026	1029	1050	rBV	475044	503104	56.76%	4.294%
9	9.216	1208	1212	1223	rBV	883783	886334	100.00%	7.565%
10	9.333	1228	1232	1242	rVB3	32305	42285	4.77%	0.361%
11	9.616	1275	1280	1287	rBV	28992	34563	3.90%	0.295%
12	9.763	1301	1305	1310	rBV	18081	20649	2.33%	0.176%
13	9.898	1325	1328	1344	rBV	535529	578089	65.22%	4.934%
14	10.475	1424	1426	1432	rVB2	11865	12130	1.37%	0.104%
15	10.698	1460	1464	1478	rBV	474359	543454	61.31%	4.639%
16	10.810	1478	1483	1486	rVB4	9165	13767	1.55%	0.118%
17	11.398	1579	1583	1585	rBV	554182	552242	62.31%	4.714%
18	11.422	1585	1587	1593	rVV	122215	124536	14.05%	1.063%
19	11.474	1593	1596	1601	rVB	27702	30646	3.46%	0.262%
20	11.627	1618	1622	1623	rBV3	9940	12188	1.38%	0.104%
21	11.916	1664	1671	1673	rBV2	79767	100125	11.30%	0.855%
22	11.980	1680	1682	1685	rBV3	13657	11741	1.32%	0.100%
23	12.016	1685	1688	1691	rVV	32687	38954	4.39%	0.332%
24	12.039	1691	1692	1697	rVB	18690	14962	1.69%	0.128%
25	12.086	1697	1700	1704	rBV7	8136	9962	1.12%	0.085%
26	12.198	1716	1719	1722	rBV2	14775	19067	2.15%	0.163%
27	12.451	1757	1762	1765	rBV3	59303	110691	12.49%	0.945%
28	12.545	1774	1778	1781	rBV2	18484	21832	2.46%	0.186%
29	12.616	1787	1790	1799	rBV	307587	315983	35.65%	2.697%
30	12.710	1802	1806	1813	rVV5	33873	54463	6.14%	0.465%
31	12.769	1813	1816	1819	rBV2	13970	17938	2.02%	0.153%
32	12.845	1823	1829	1835	rBV	281834	342649	38.66%	2.925%
33	12.986	1846	1853	1856	rBV	902045	881442	99.45%	7.524%
34	13.068	1863	1867	1869	rBV2	28309	44365	5.01%	0.379%

LSC Area Percent Report

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Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.121	1873	1876	1878	rVB4	16058	12680	1.43%	0.108%
36	13.174	1878	1885	1888	rBV2	40156	88382	9.97%	0.754%
37	13.204	1888	1890	1895	rVB4	27511	26985	3.04%	0.230%
38	13.245	1895	1897	1899	rBV2	20465	15662	1.77%	0.134%
39	13.280	1900	1903	1907	rVV2	27090	35394	3.99%	0.302%
40	13.374	1916	1919	1921	rBV	22894	24477	2.76%	0.209%
41	13.404	1922	1924	1931	rVV5	20583	28537	3.22%	0.244%
42	13.551	1944	1949	1953	rBV4	45083	73750	8.32%	0.629%
43	13.698	1971	1974	1978	rBV2	31469	32927	3.71%	0.281%
44	13.804	1989	1992	1994	rVB	20647	18568	2.09%	0.158%
45	13.827	1994	1996	1998	rBV	26016	17249	1.95%	0.147%
46	13.857	1998	2001	2002	rBV	24211	25495	2.88%	0.218%
47	13.880	2002	2005	2008	rBV3	95090	108892	12.29%	0.929%
48	14.051	2030	2034	2037	rBV2	637643	750605	84.69%	6.407%
49	14.080	2037	2039	2043	rVB	152932	134859	15.22%	1.151%
50	14.163	2051	2053	2055	rVV	24358	17508	1.98%	0.149%
51	14.198	2057	2059	2060	rVB	40627	26613	3.00%	0.227%
52	14.439	2098	2100	2104	rVB	50115	45812	5.17%	0.391%
53	14.480	2105	2107	2109	rBV2	32870	31771	3.58%	0.271%
54	14.810	2161	2163	2166	rVB	39559	38278	4.32%	0.327%
55	15.110	2211	2214	2217	rBV	123567	177669	20.05%	1.516%
56	15.421	2264	2267	2273	rVB	93048	100883	11.38%	0.861%
57	15.486	2275	2278	2282	rVB	169189	211315	23.84%	1.804%
58	15.551	2284	2289	2293	rBV	396271	552108	62.29%	4.712%
59	17.527	2623	2625	2634	rVB2	48227	108839	12.28%	0.929%
60	17.809	2666	2673	2681	rBV2	39396	134872	15.22%	1.151%
61	18.051	2712	2714	2715	rBV2	19432	17955	2.03%	0.153%
62	18.739	2830	2831	2832	rBV	28629	16386	1.85%	0.140%
63	18.780	2836	2838	2840	rBV3	17388	20468	2.31%	0.175%
64	18.898	2856	2858	2860	rBV3	13254	16038	1.81%	0.137%

Sum of corrected areas: 11715842

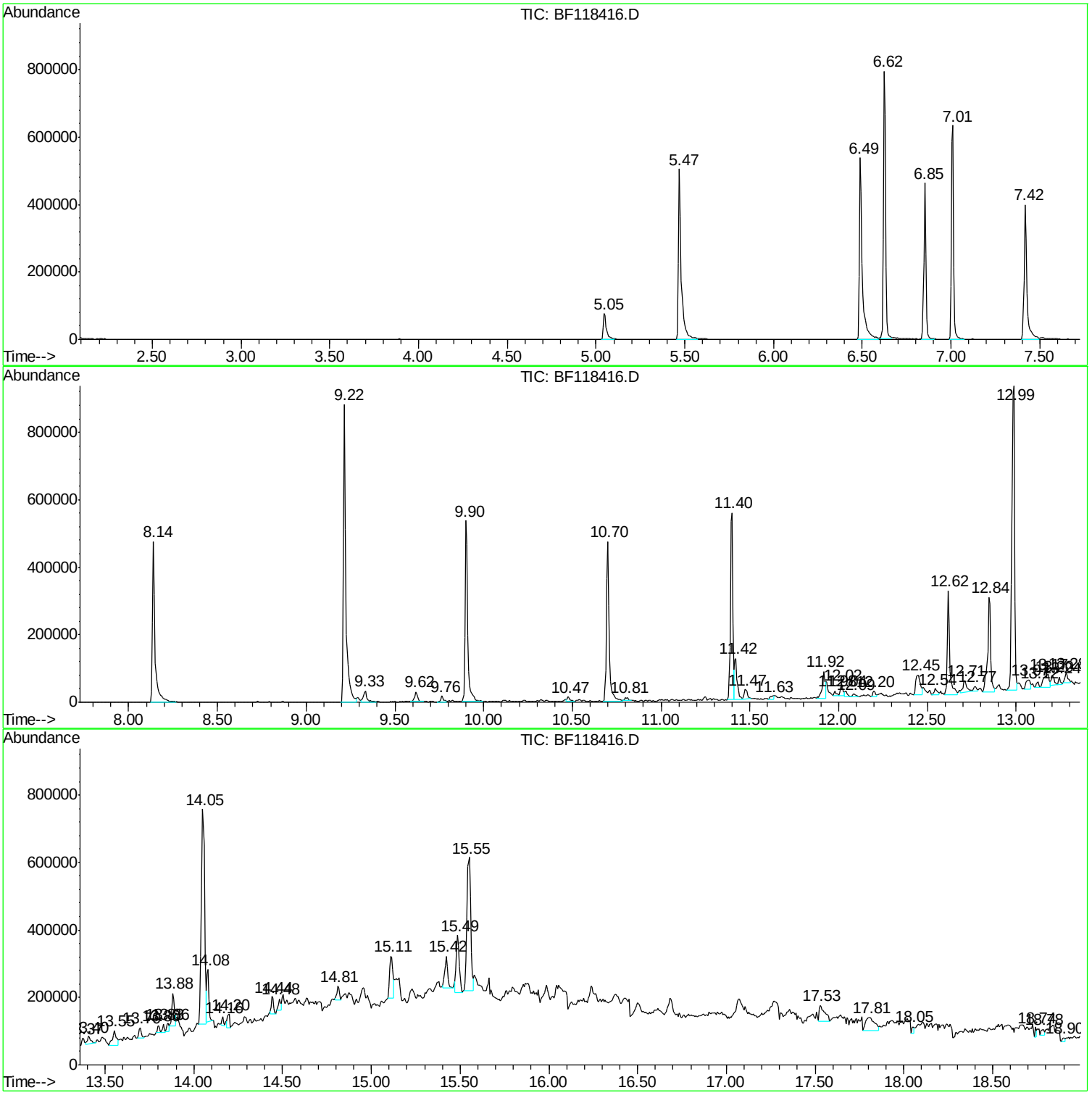
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

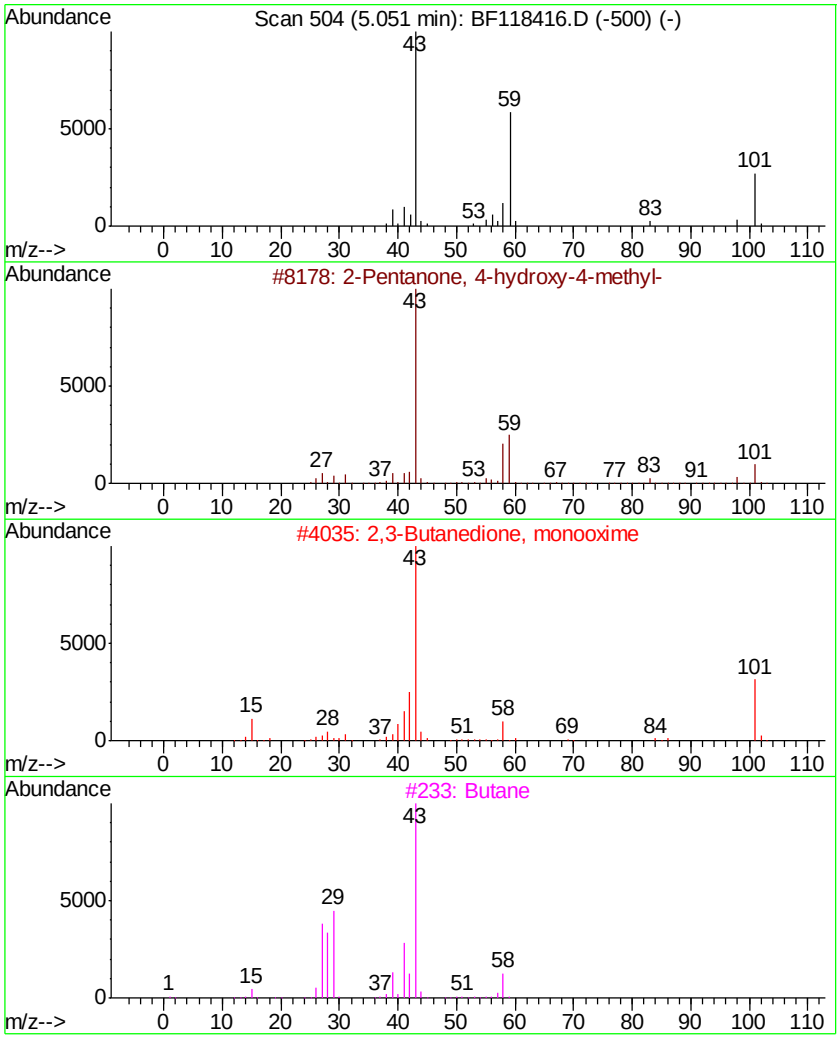
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

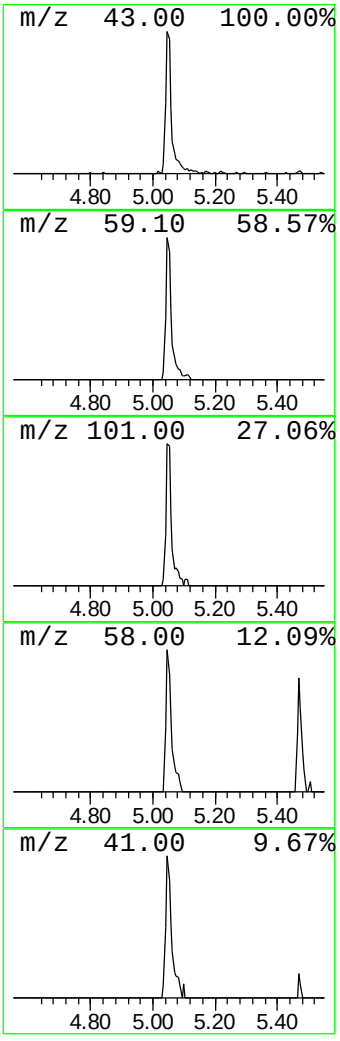
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	5.20 ng	96555	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Butane	58	C4H10	000106-97-8	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

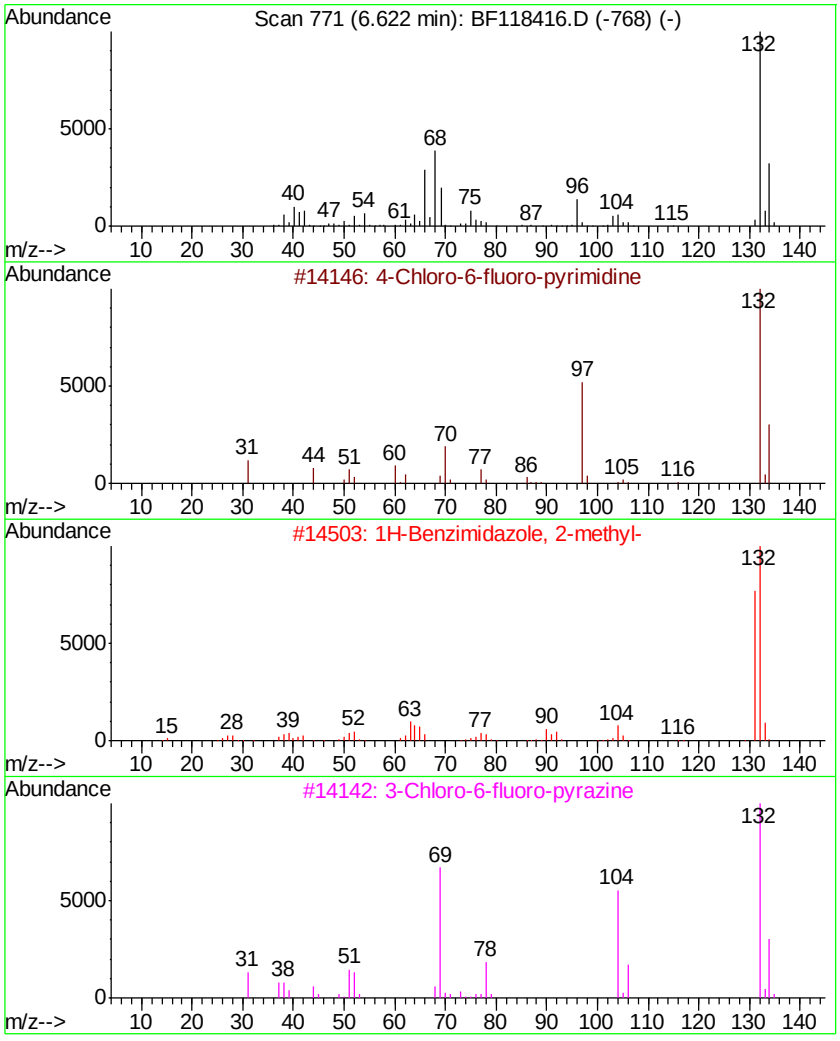
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

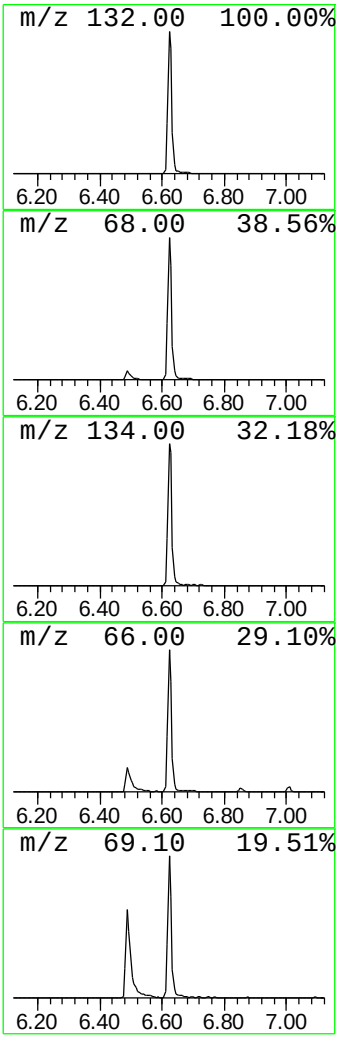
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	39.15 ng	726802	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
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Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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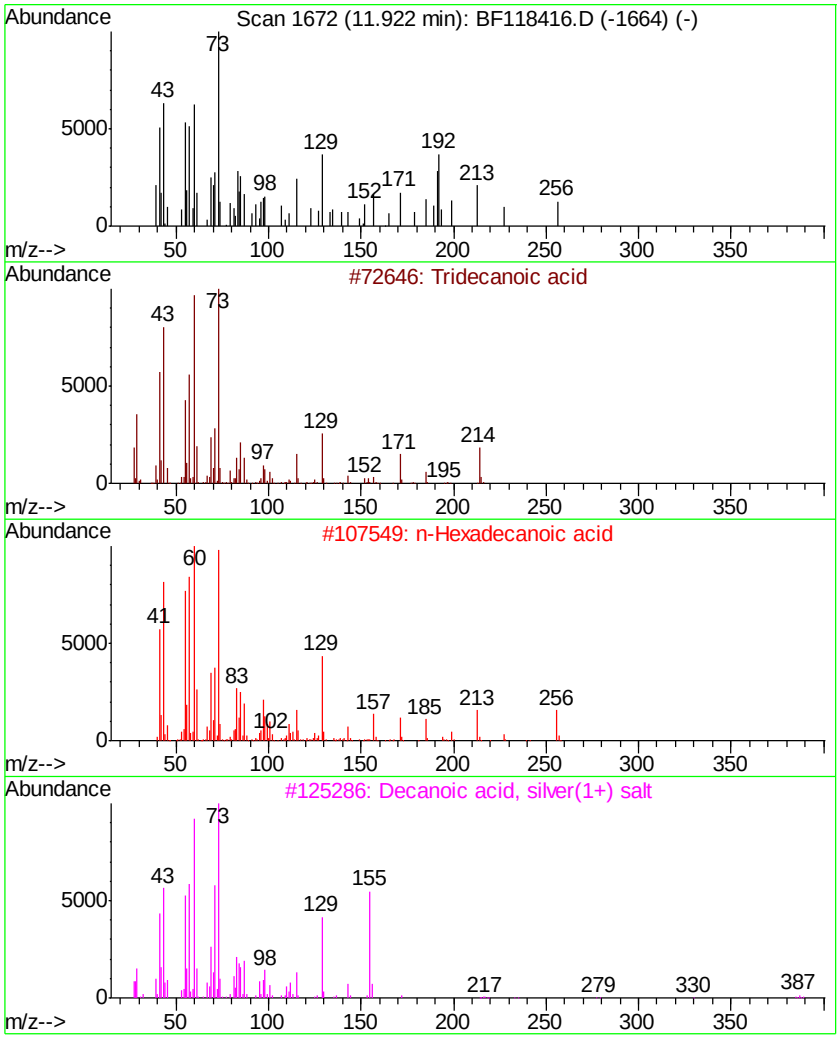
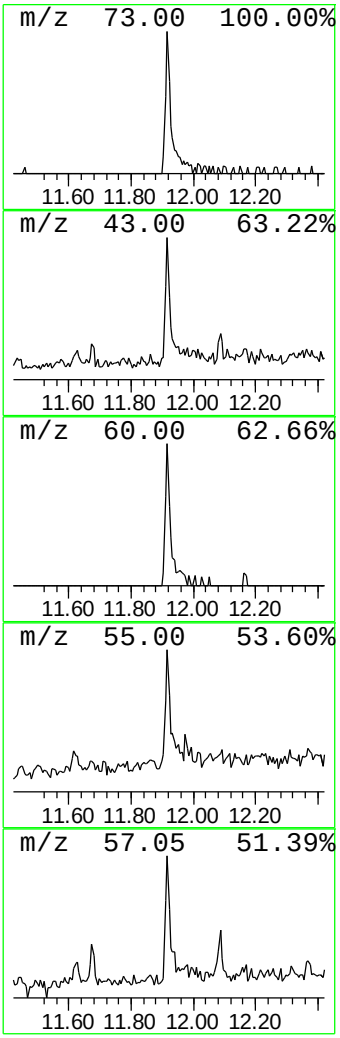
Peak Number 4 Tridecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.63 ng	100125	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	91
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	47
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	18
5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
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Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

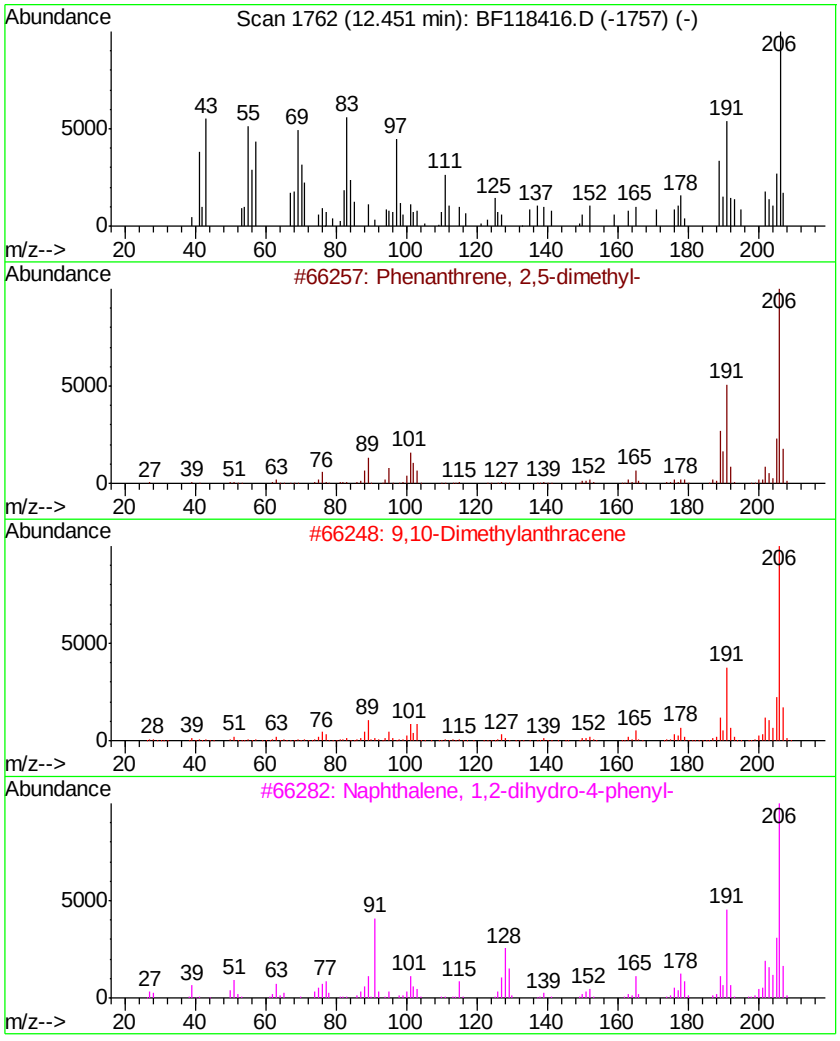
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

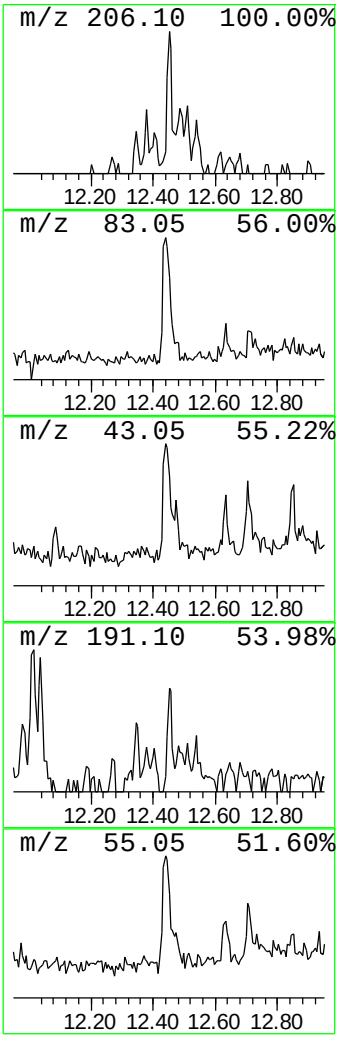
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.01 ng	110691	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	55
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	55
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55





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Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

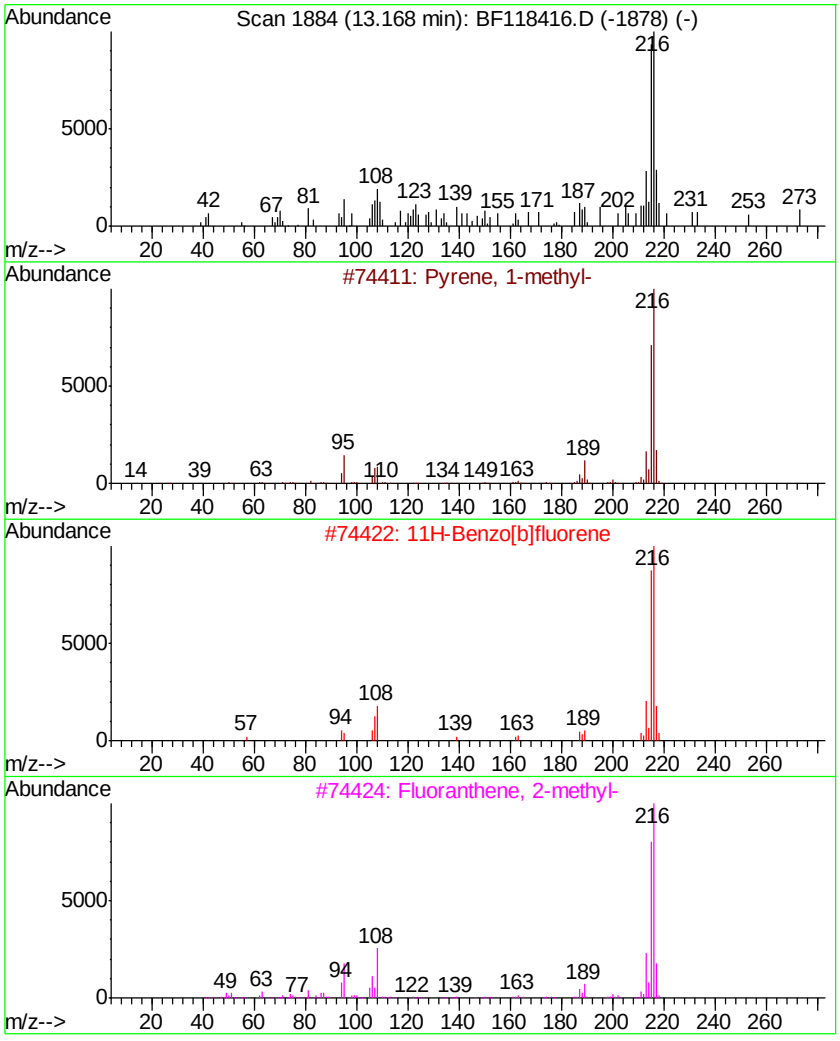
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

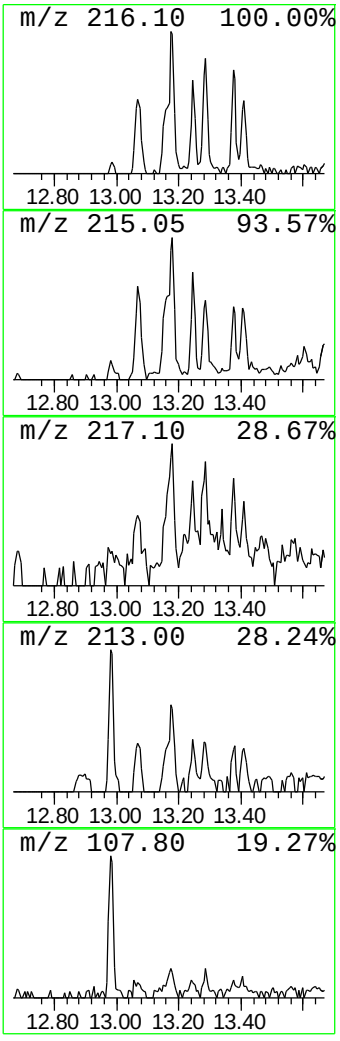
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.35 ng	88382	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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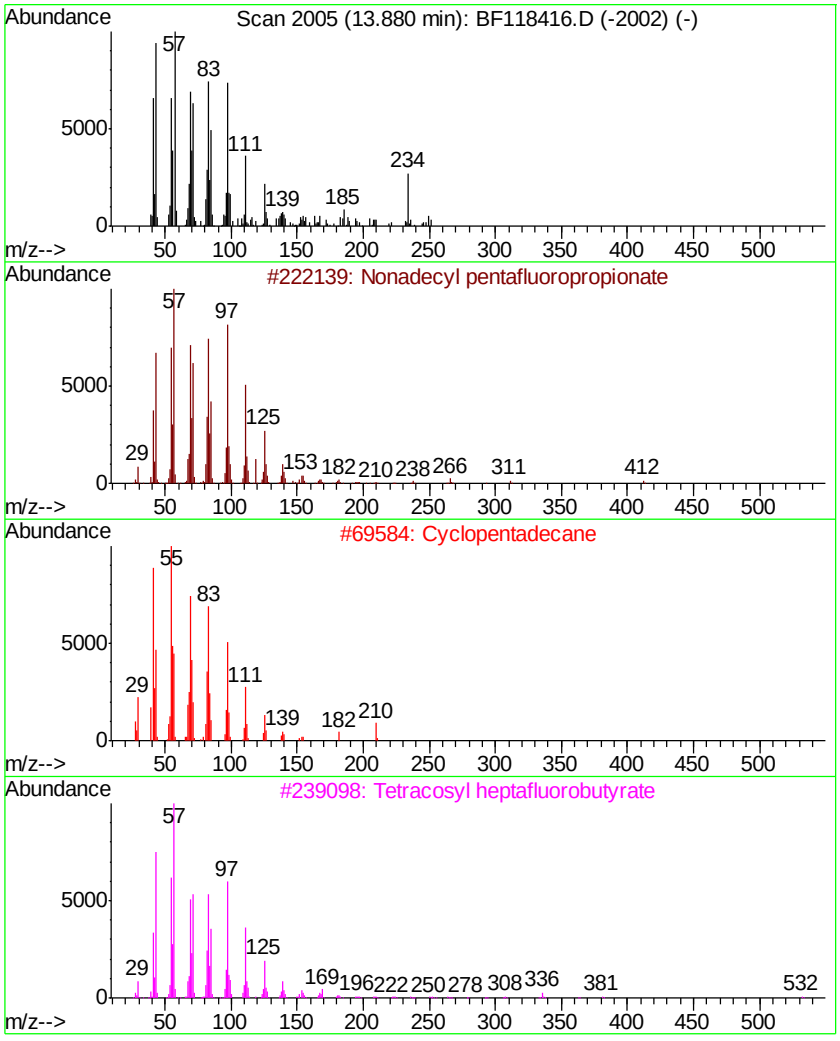
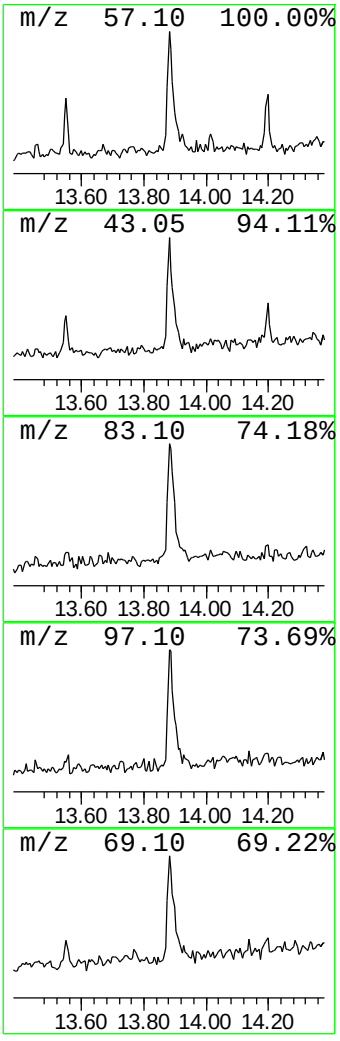
Peak Number 7 Nonadecyl pentafluoropropio... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	2.90 ng	108892	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
2	Cyclopentadecane	210	C15H30	000295-48-7	91
3	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	90
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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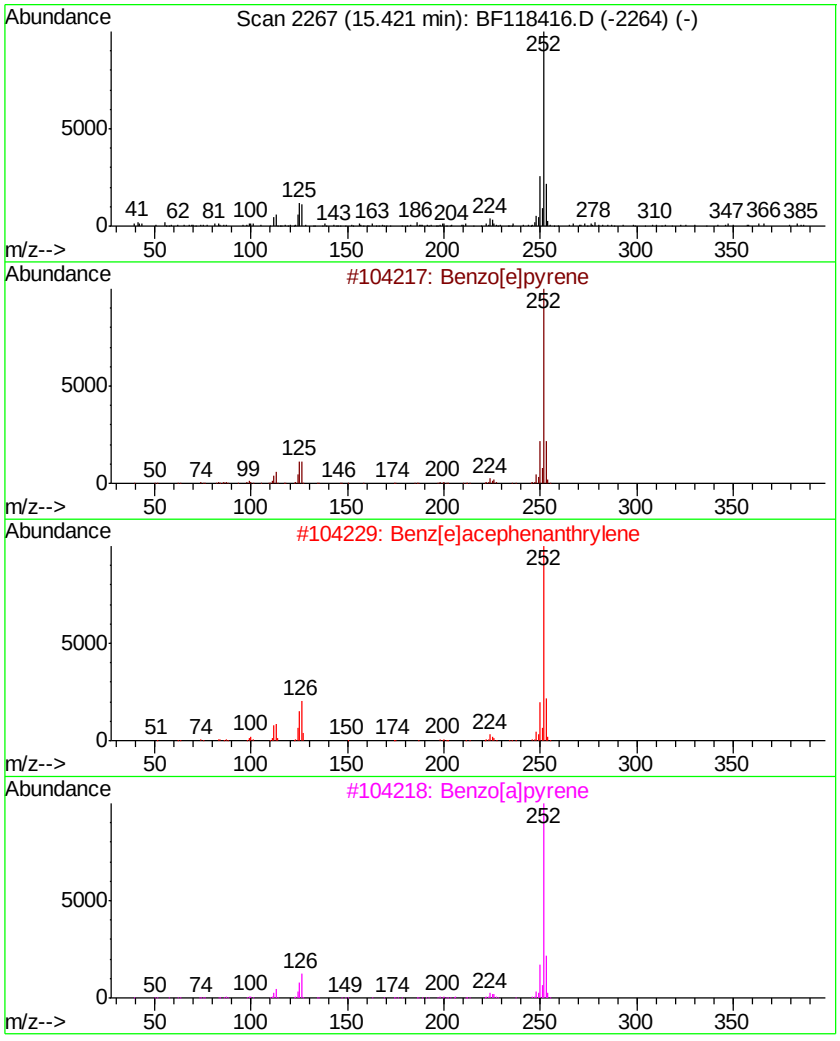
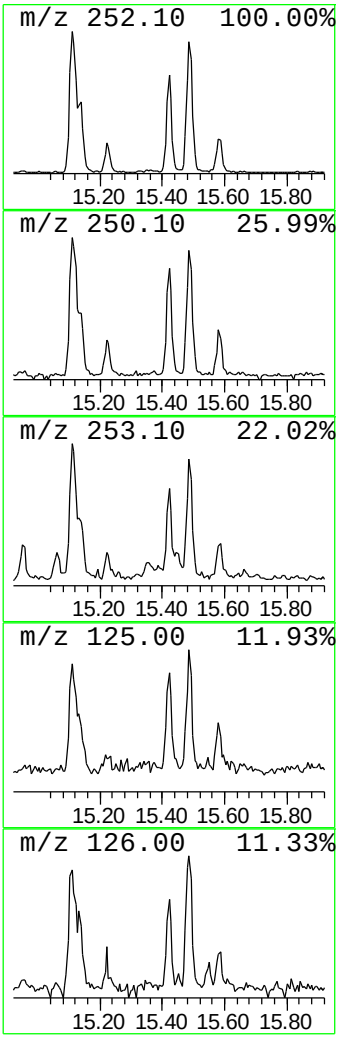
Peak Number 8 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	3.65 ng	100883	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

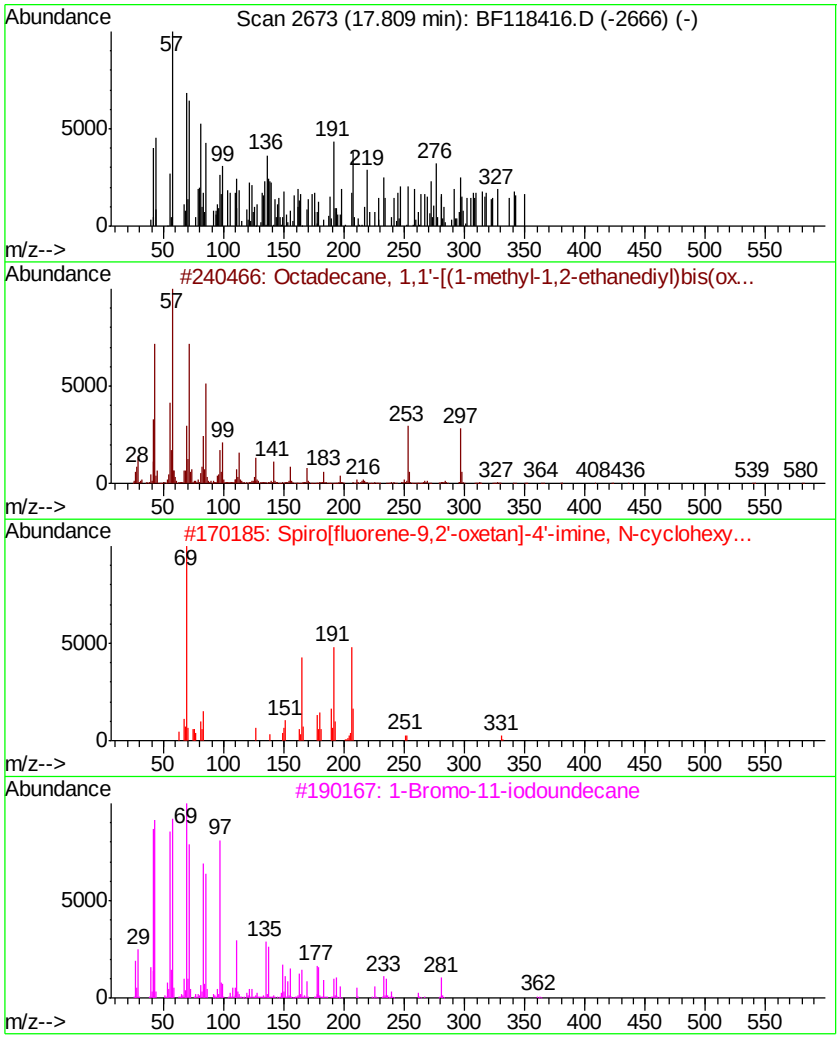
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

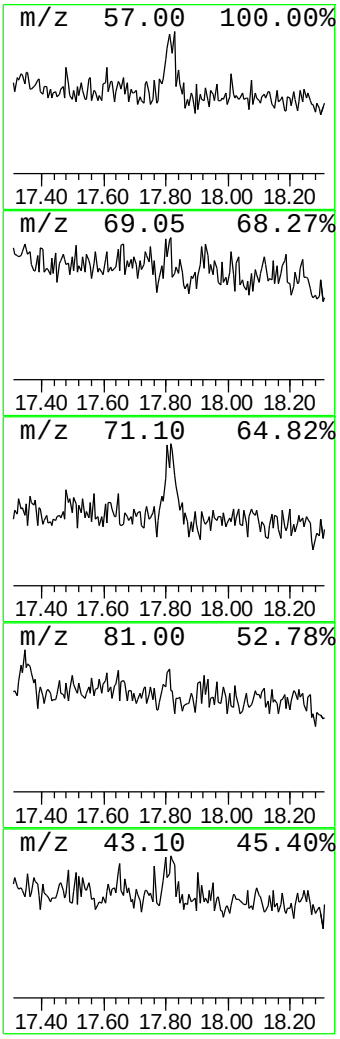
****

Peak Number 9 unknown17.81 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	4.89 ng	134872	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1,1'-[(1-methyl-1,2-...	581	C39H80O2	035545-51-8	10
2	Spiro[fluorene-9,2'-oxetan]-4'-i...	331	C23H25NO	015183-47-8	9
3	1-Bromo-11-iodoundecane	360	C11H22BrI	139123-69-6	9
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	9
5	1,5-Di(neopentyloxycarbonyloxy)p...	332	C17H32O6	1000331-44-0	6





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
2-Pentanone, 4-hy...	5.05	5.2	ng	96555	1	6.85	371290	20.0
unknown6.62	6.62	39.1	ng	726802	1	6.85	371290	20.0
Tridecanoic acid	11.92	3.6	ng	100125	4	11.40	552242	20.0
Phenanthrene, 2,5...	12.45	4.0	ng	110691	4	11.40	552242	20.0
Pyrene, 1-methyl-	13.17	2.4	ng	88382	5	14.05	750605	20.0
Nonadecyl pentafl...	13.88	2.9	ng	108892	5	14.05	750605	20.0
Benzo[e]pyrene	15.42	3.6	ng	100883	6	15.55	552108	20.0
unknown17.81	17.81	4.9	ng	134872	6	15.55	552108	20.0