LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118151.D
Acq On : 9 Dec 2019 18:25
Operator : JU
Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

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-BF120619.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	2.116	3	5	11	rVB	221089	268647	11.47%	1.006%
2	5.075	503	508	517	rVB	335275	388708	16.60%	1.455%
3	5.481	573	577	595	rVB	1805120	1820957	77.77%	6.817%
4	6.498	745	750	762	rBV	2020424	1980370	84.58%	7.414%
5	6.640	769	774	777	rBV	2211726	2073344	88.55%	7.762%
6	6.869	809	813	821	rVB	744040	614267	26.24%	2.300%
7	7.022	835	839	843	rBV	1952268	1674913	71.54%	6.270%
8	7.428	904	908	920	rBV	1275298	1213005	51.81%	4.541%
9	8.151	1028	1031	1046	rBV	835908	787896	33.65%	2.950%
10	9.233	1210	1215	1218	rBV	2636958	2341340	100.00%	8.765%
11	9.628	1279	1282	1290	rVB	114388	114987	4.91%	0.430%
12	9.775	1304	1307	1312	rBV	41995	36401	1.55%	0.136%
13	9.916	1327	1331	1334	rBV	950206	853555	36.46%	3.195%
14	9.945	1334	1336	1346	rVB	84529	70381	3.01%	0.263%
15	10.122	1361	1366	1370	rBV2	45759	48152	2.06%	0.180%
16	10.463	1420	1424	1431	rBV	62989	56634	2.42%	0.212%
17	10.704	1461	1465	1477	rBV	1660909	1493327	63.78%	5.590%
18	11.210	1548	1551	1555	rVB	35623	31402	1.34%	0.118%
19	11.304	1564	1567	1571	rVB	31063	28880	1.23%	0.108%
20	11.404	1581	1584	1586	rBV	892272	777128	33.19%	2.909%
21	11.427	1586	1588	1592	rVV	633257	564145	24.09%	2.112%
22	11.480	1592	1597	1601	rVB	103014	106928	4.57%	0.400%
23	11.639	1618	1624	1631	rBV2	37907	59120	2.53%	0.221%
24	11.910	1666	1670	1671	rBV	58153	51160	2.19%	0.192%
25	11.927	1671	1673	1680	rVB2	230873	273844	11.70%	1.025%
26	12.022	1686	1689	1691	rBV	79718	79660	3.40%	0.298%
27	12.045	1691	1693	1697	rVB	42218	36226	1.55%	0.136%
28	12.204	1718	1720	1723	rBV	38322	32613	1.39%	0.122%
29	12.233	1723	1725	1728	rVB	39720	32929	1.41%	0.123%
30	12.457	1760	1763	1766	rBV2	25047	28393	1.21%	0.106%
31	12.551	1776	1779	1784	rVB	38928	41440	1.77%	0.155%
32	12.621	1788	1791	1795	rBV	685500	640376	27.35%	2.397%
33	12.716	1805	1807	1812	rBV2	71311	76967	3.29%	0.288%
34	12.857	1825	1831	1837	rBV	541490	577497	24.67%	2.162%

LSC Area Percent Report

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Instrument : BNA_F
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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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.904	1837	1839	1844	rVB2	26104	27660	1.18%	0.104%
36	12.998	1847	1855	1858	rBV	2049465	1900508	81.17%	7.115%
37	13.074	1862	1868	1872	rBV3	32065	55097	2.35%	0.206%
38	13.157	1879	1882	1884	rBV2	30837	33443	1.43%	0.125%
39	13.186	1884	1887	1891	rVV	56413	59846	2.56%	0.224%
40	13.251	1895	1898	1900	rVV	38750	28994	1.24%	0.109%
41	13.286	1900	1904	1907	rBV2	42552	43640	1.86%	0.163%
42	13.568	1947	1952	1954	rBV5	24832	31304	1.34%	0.117%
43	13.692	1970	1973	1979	rVB	48010	52242	2.23%	0.196%
44	13.804	1988	1992	1995	rBV2	51873	62728	2.68%	0.235%
45	13.833	1995	1997	1999	rVV	47010	39961	1.71%	0.150%
46	13.857	1999	2001	2003	rVV	39335	42017	1.79%	0.157%
47	13.892	2003	2007	2016	rVB3	213589	333552	14.25%	1.249%
48	14.057	2026	2035	2038	rBV2	825333	1070961	45.74%	4.009%
49	14.080	2038	2039	2047	rVB	277832	230205	9.83%	0.862%
50	14.210	2058	2061	2067	rBV5	53603	73104	3.12%	0.274%
51	14.445	2099	2101	2104	rVB	49479	38047	1.63%	0.142%
52	14.521	2111	2114	2120	rBV3	76137	109286	4.67%	0.409%
53	14.827	2163	2166	2171	rBV	73895	84684	3.62%	0.317%
54	15.110	2209	2214	2217	rBV	289675	444520	18.99%	1.664%
55	15.174	2222	2225	2229	rVV2	91148	112841	4.82%	0.422%
56	15.221	2229	2233	2236	rVB	58033	71888	3.07%	0.269%
57	15.315	2245	2249	2255	rBV5	15545	37795	1.61%	0.141%
58	15.415	2262	2266	2273	rVB	151232	210127	8.97%	0.787%
59	15.480	2273	2277	2283	rVB	217282	276100	11.79%	1.034%
60	15.551	2283	2289	2301	rBV	635129	1030372	44.01%	3.857%
61	16.009	2361	2367	2373	rBV	91446	155091	6.62%	0.581%
62	16.068	2373	2377	2383	rVV5	33361	69420	2.96%	0.260%
63	16.527	2451	2455	2460	rVB2	42486	69792	2.98%	0.261%
64	17.045	2538	2543	2552	rVB2	118749	233302	9.96%	0.873%
65	17.139	2554	2559	2564	rVB4	32213	60586	2.59%	0.227%
66	17.233	2569	2575	2581	rBV7	37481	92581	3.95%	0.347%
67	17.292	2581	2585	2590	rVB4	14865	32775	1.40%	0.123%
68	17.504	2614	2621	2631	rVB	83482	181639	7.76%	0.680%
69	17.745	2658	2662	2669	rVB3	19778	40455	1.73%	0.151%

Sum of corrected areas: 26712155

LSC Report - Integrated Chromatogram

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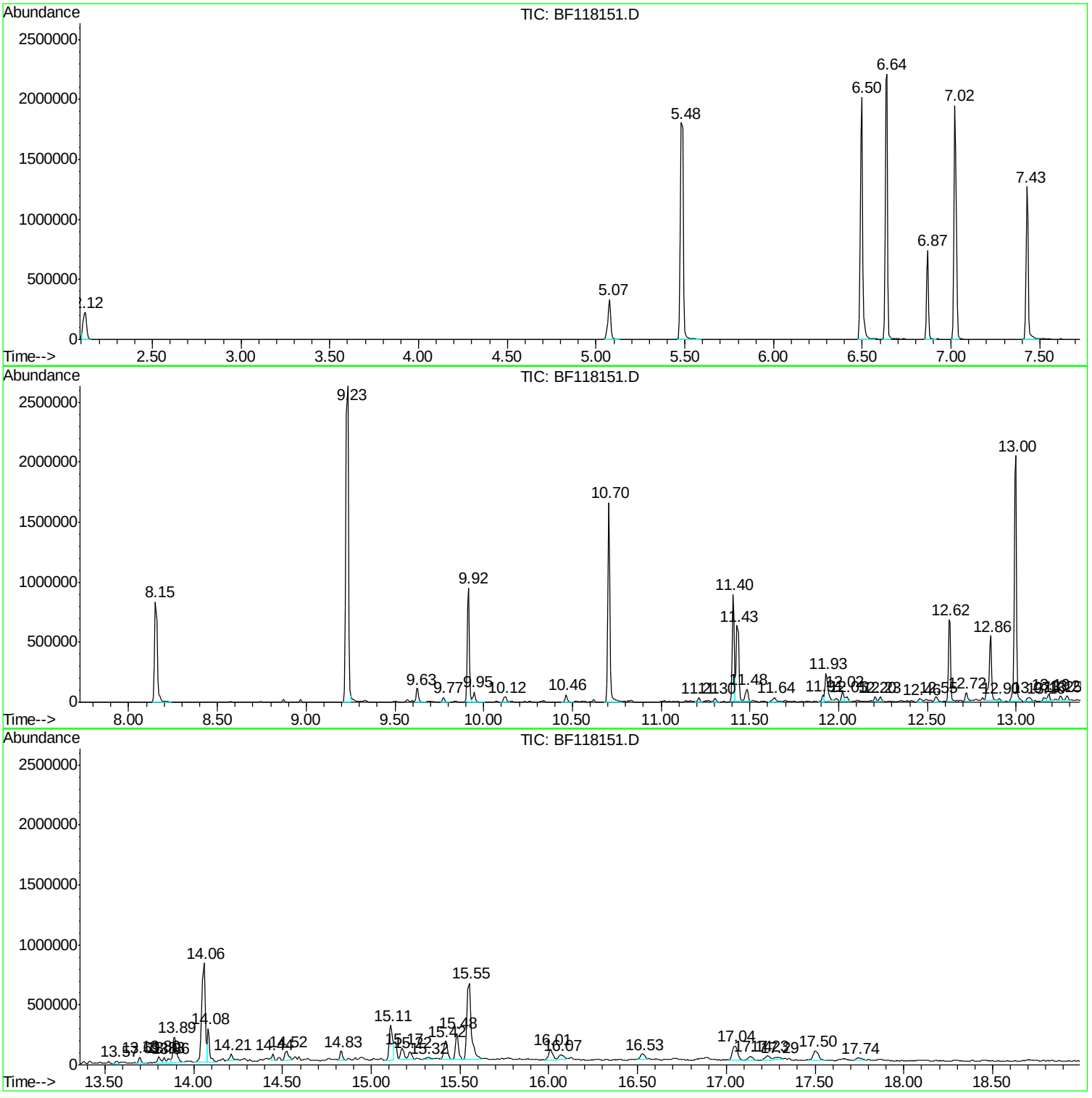
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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

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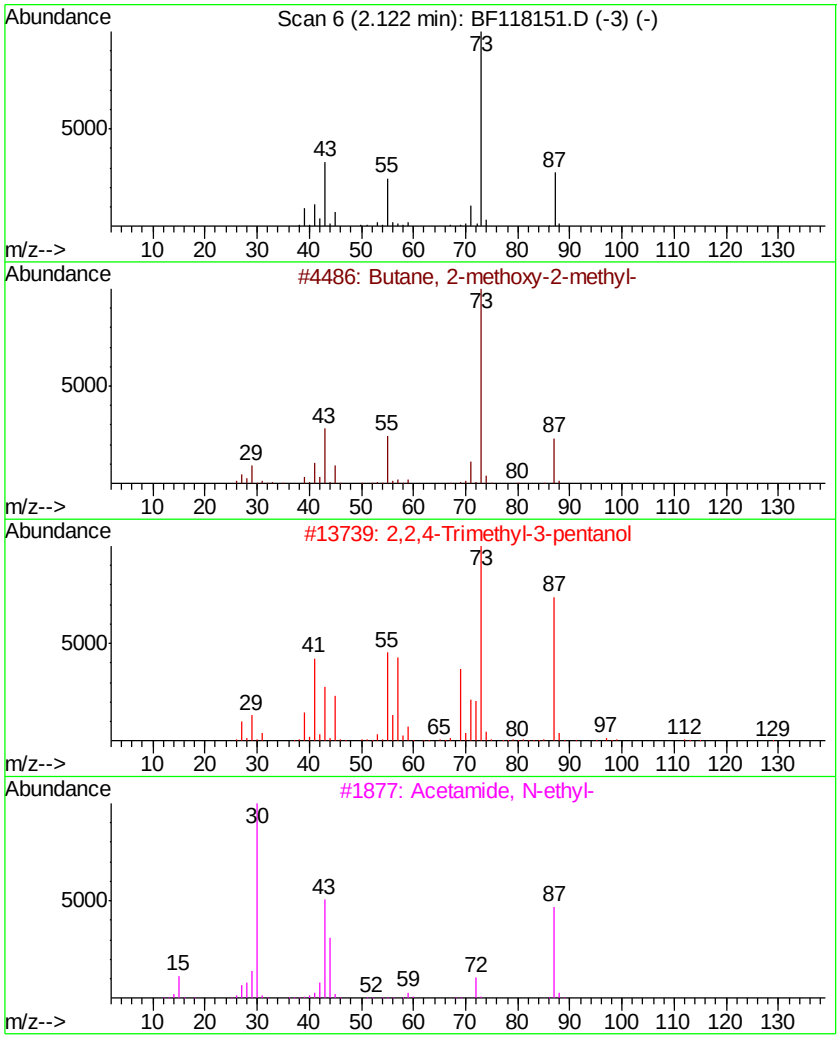
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

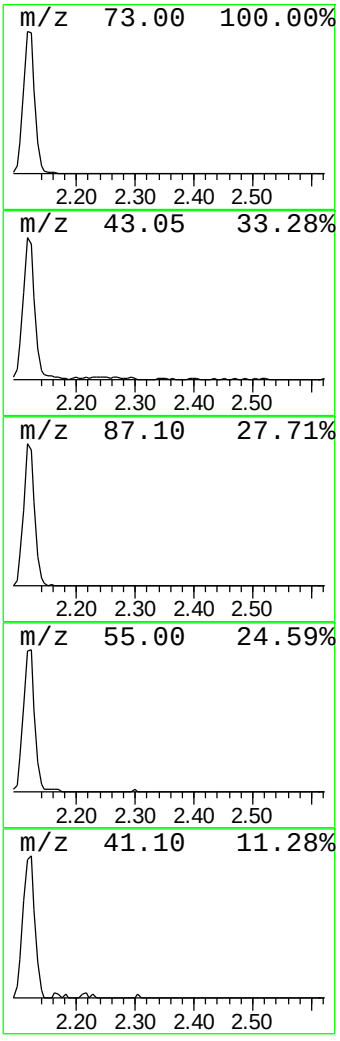
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	8.75 ng	268647	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

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Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
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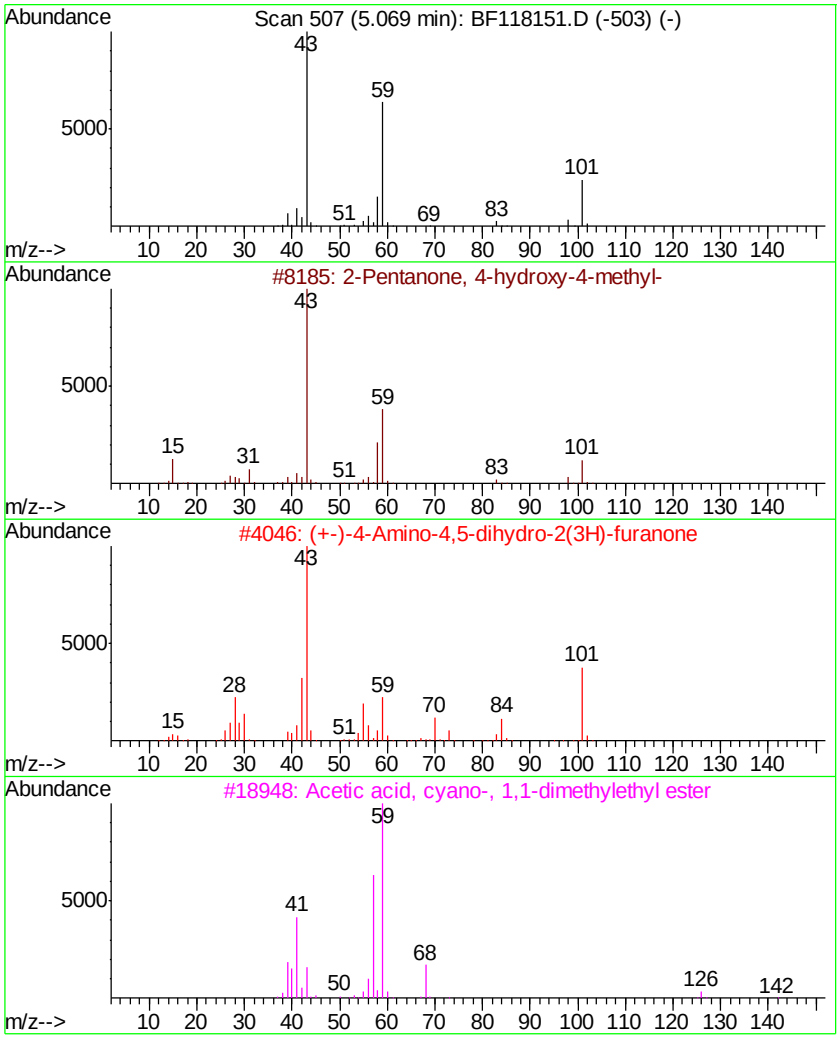
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

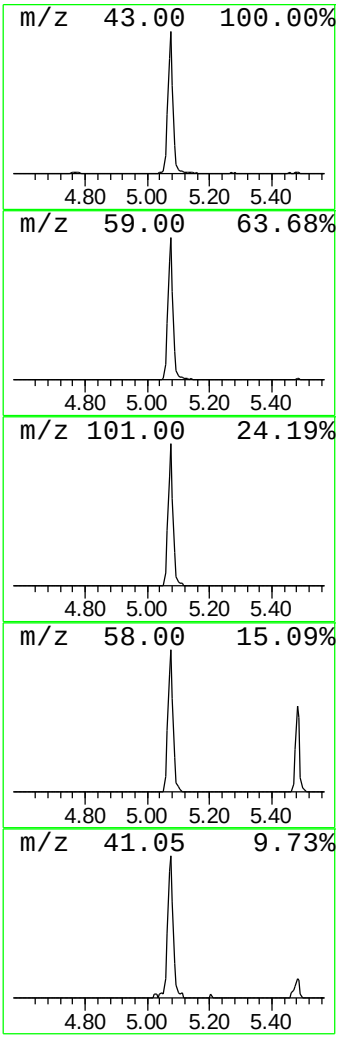
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	12.66 ng	388708	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
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TIC Library : C:\DATABASE\NIST11.L
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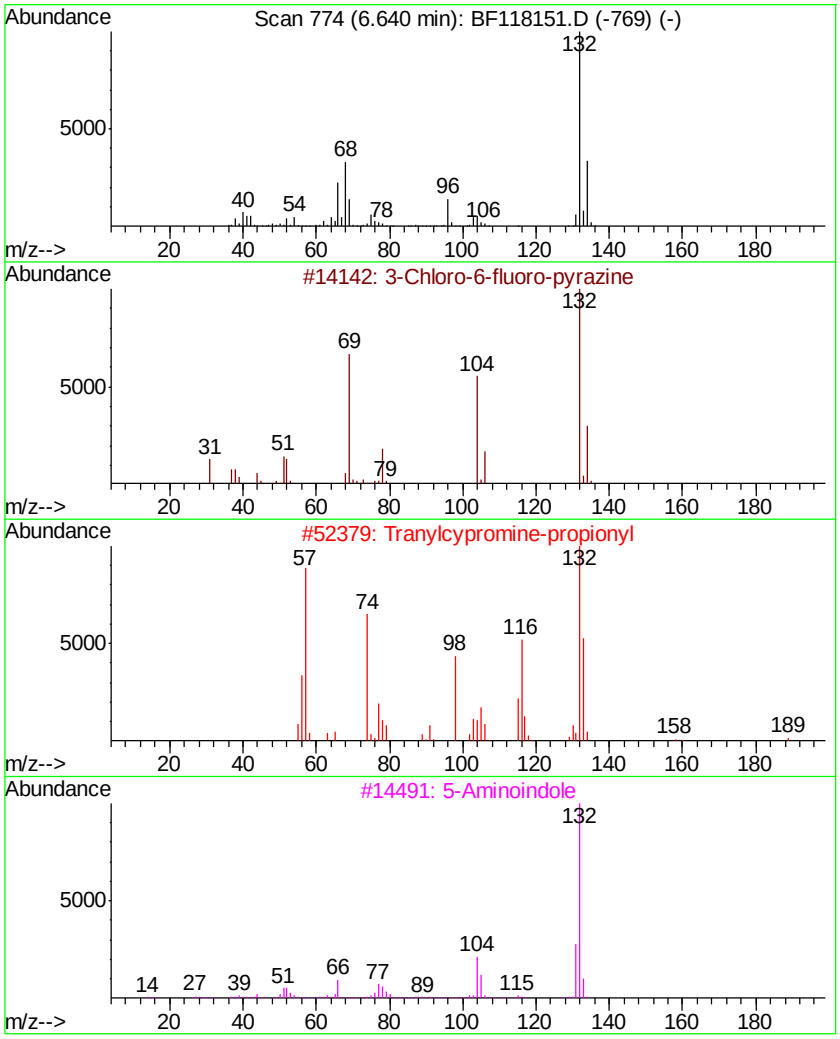
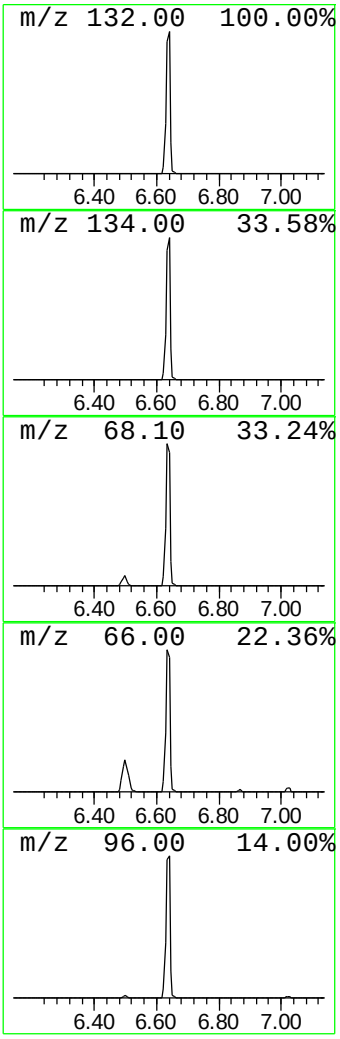
****

Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	67.51 ng	2073340	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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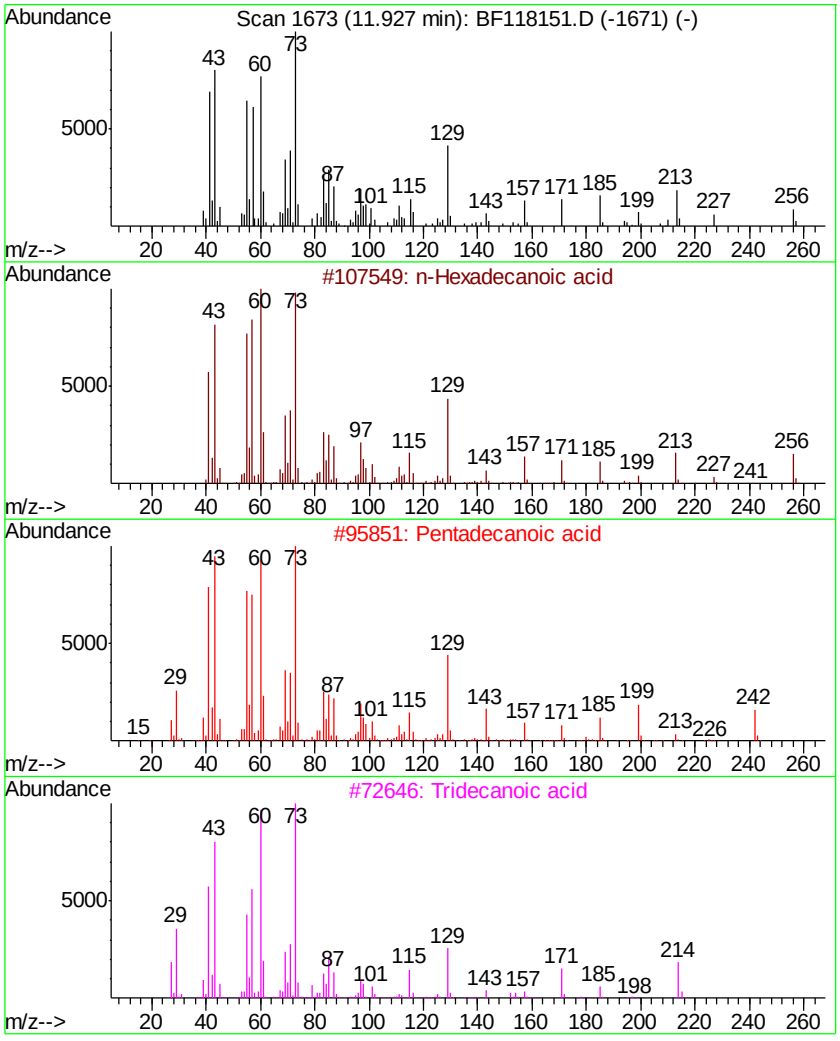
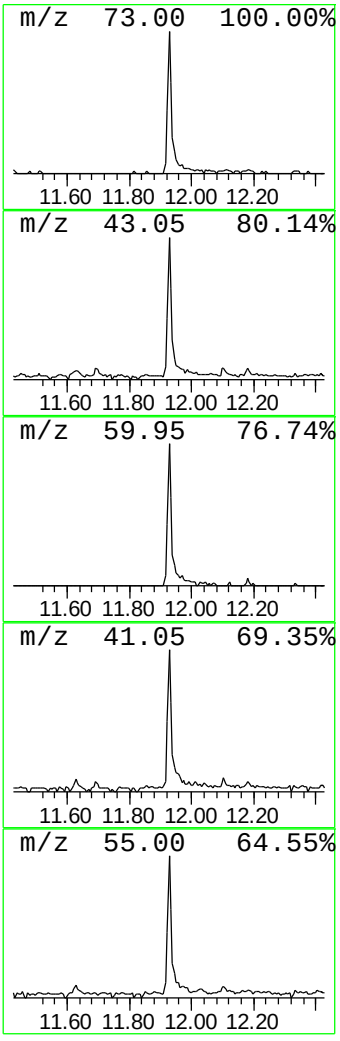
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	7.05 ng	273844	Phenanthrene-d10	11.40

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	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Dodecanoic acid	200	C12H24O2	000143-07-7	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





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Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

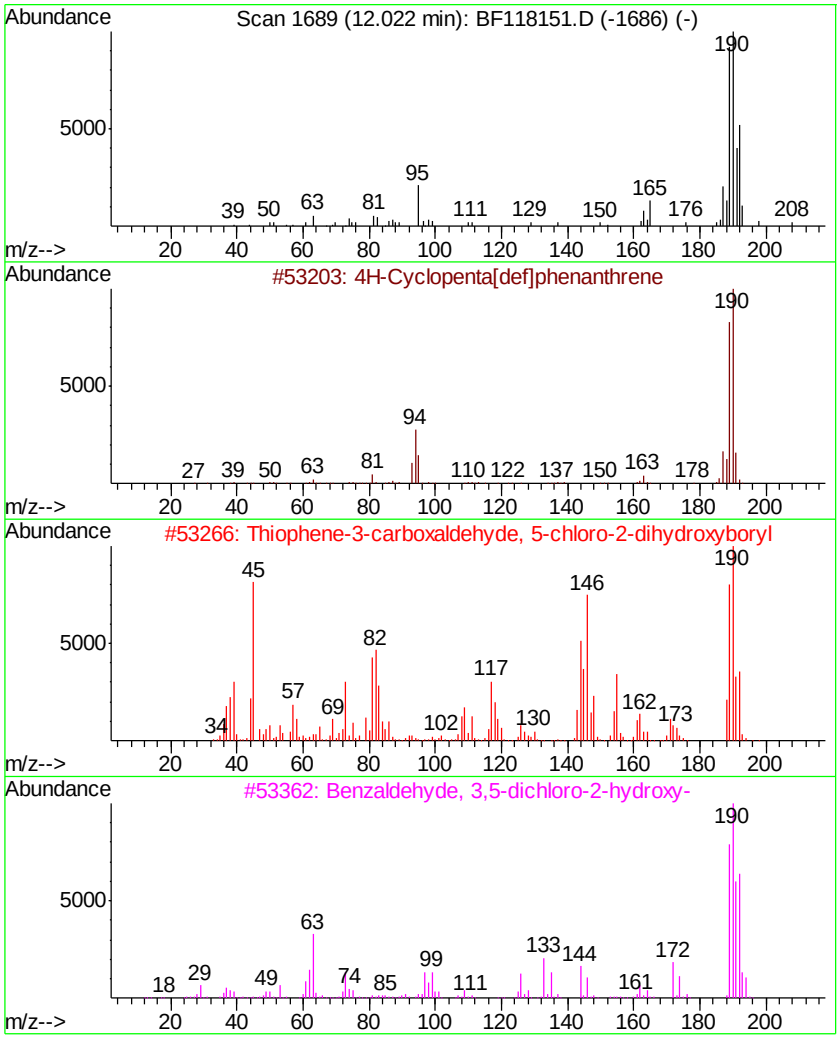
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

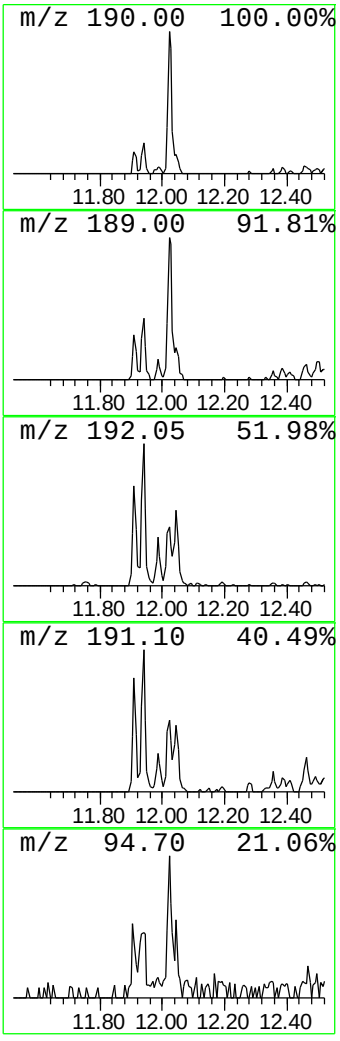
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.05 ng	79660	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

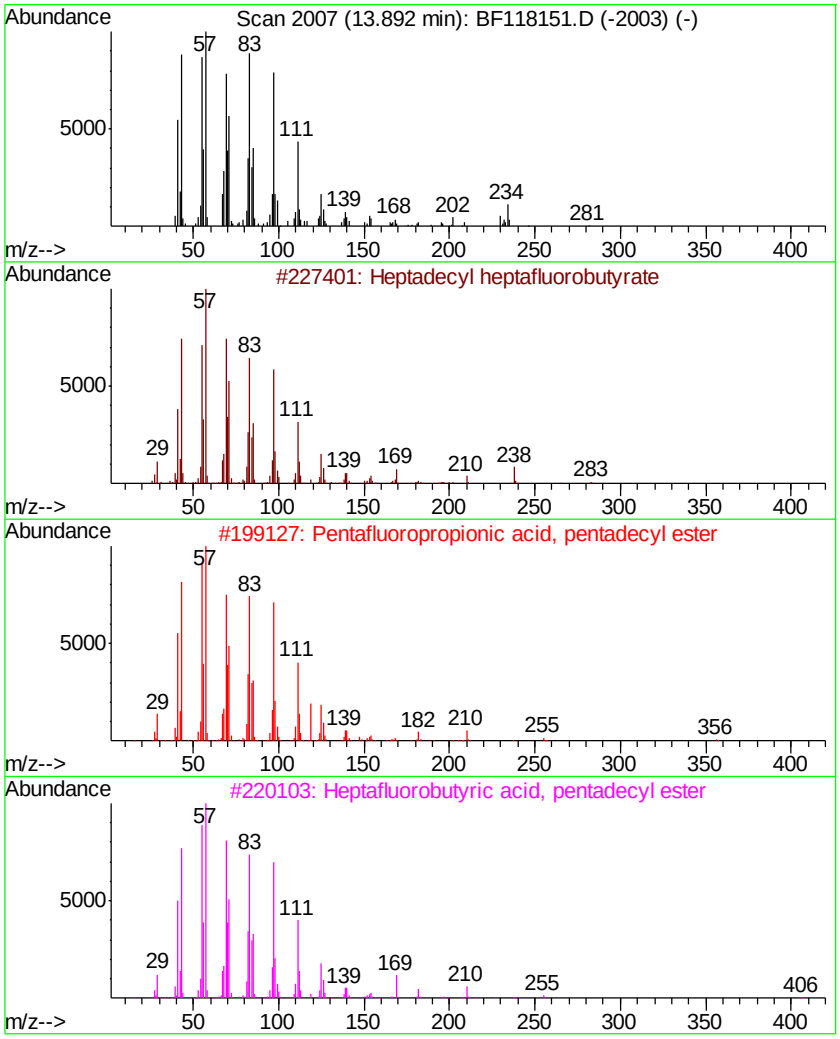
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

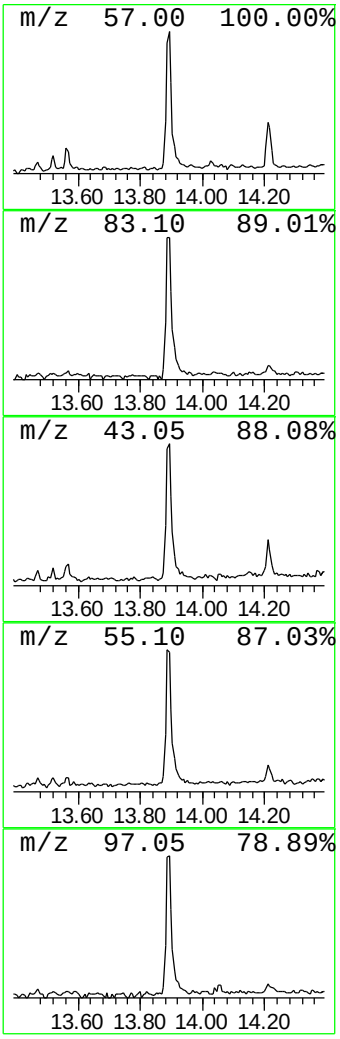
****

Peak Number 7 Heptadecyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	6.23 ng	333552	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
4	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	91
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	90





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Data File : BF118151.D
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Operator : JU
Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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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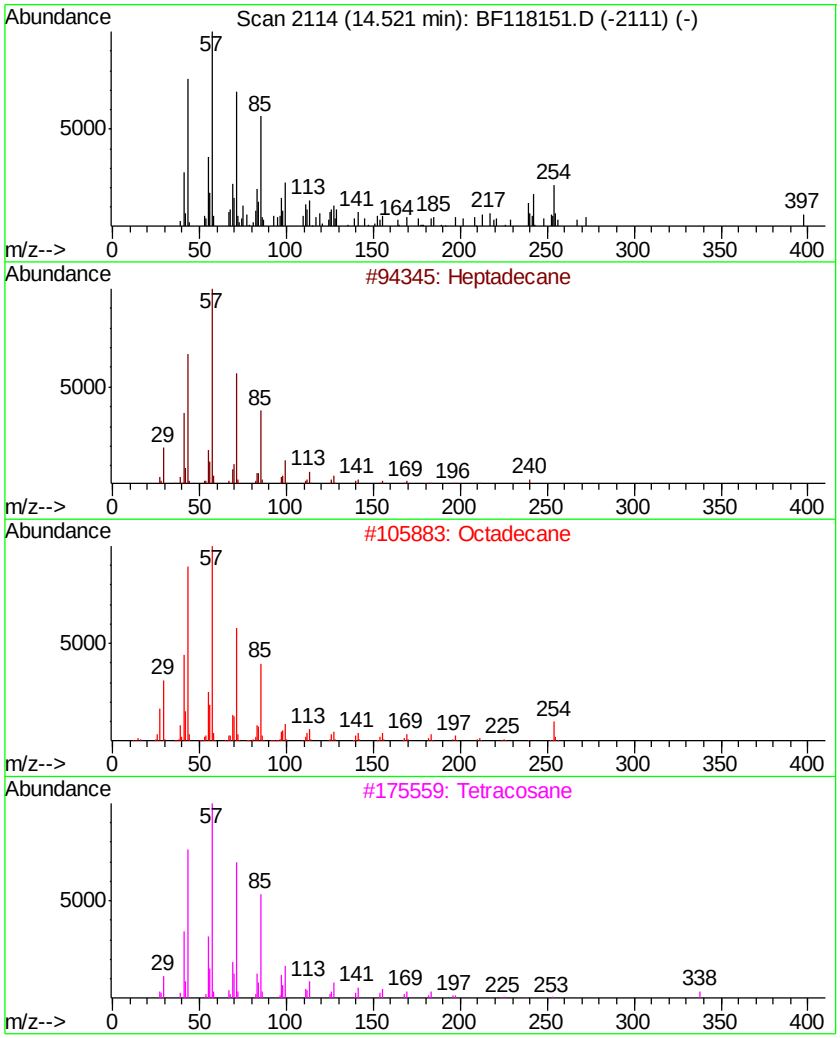
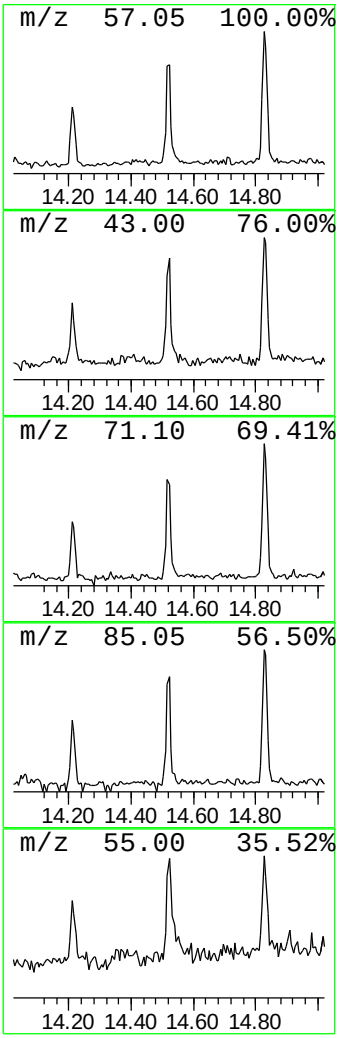
Peak Number 8 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	2.04 ng	109286	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octadecane	254	C18H38	000593-45-3	86
3	Tetracosane	338	C24H50	000646-31-1	64
4	Octacosane	394	C28H58	000630-02-4	64
5	Heneicosane	296	C21H44	000629-94-7	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118151.D
Acq On : 9 Dec 2019 18:25
Operator : JU
Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

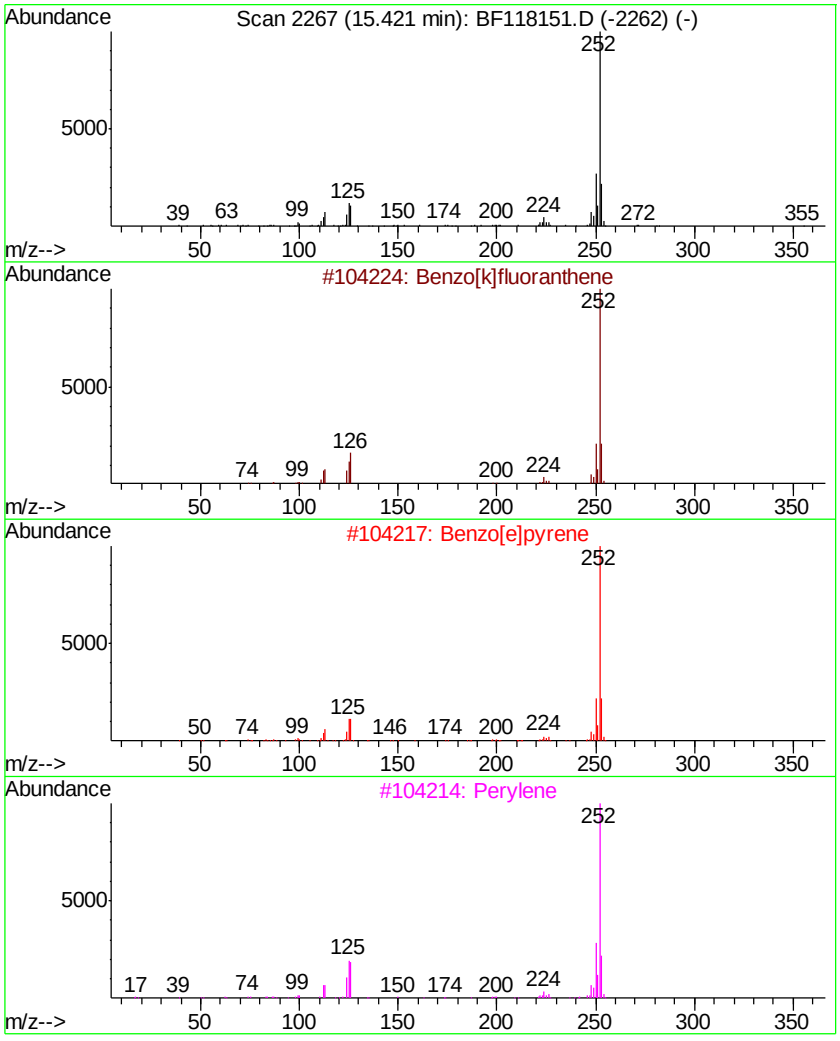
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

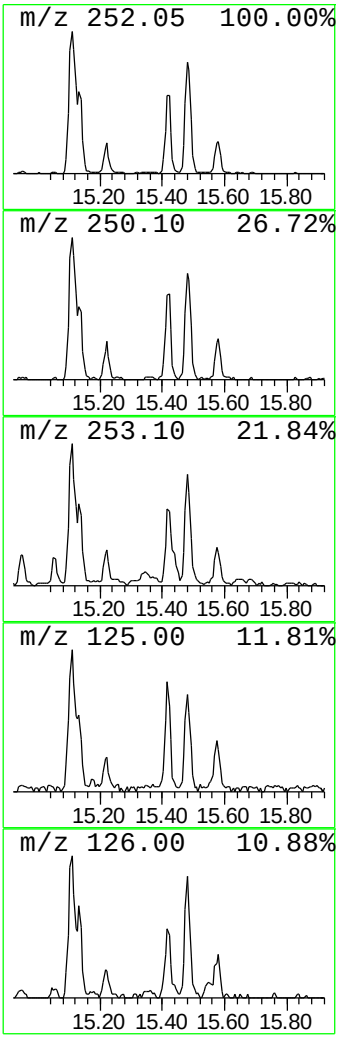
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	4.08 ng	210127	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118151.D
Acq On : 9 Dec 2019 18:25
Operator : JU
Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

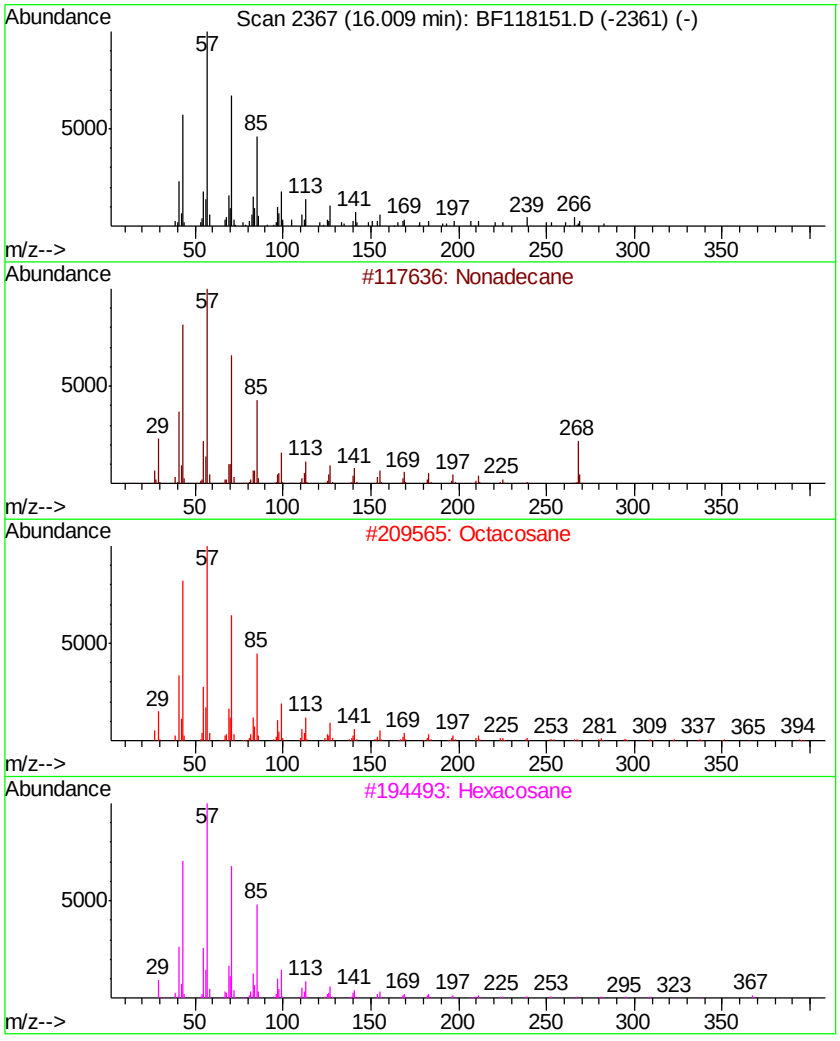
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

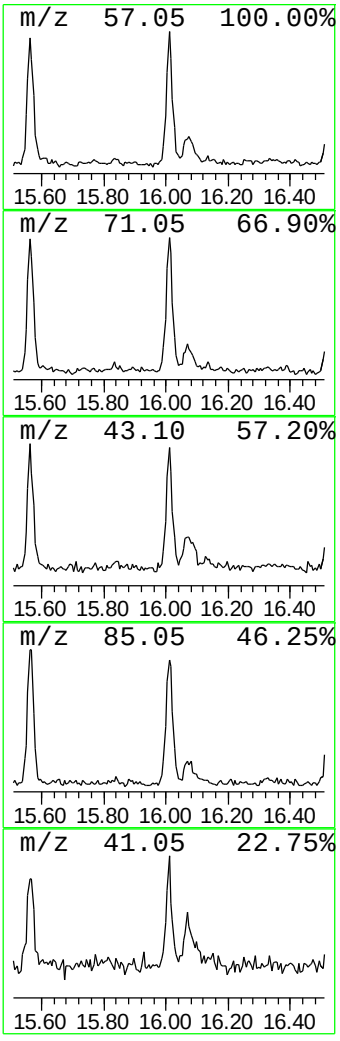
****

Peak Number 10 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	3.01 ng	155091	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Octacosane	394	C28H58	000630-02-4	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Hentriacontane	437	C31H64	000630-04-6	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120919\
Data File : BF118151.D
Acq On : 9 Dec 2019 18:25
Operator : JU
Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RPC-PT-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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...	2.12	8.8	ng	268647	1	6.87	614267	20.0
2-Pentanone, 4-hy...	5.07	12.7	ng	388708	1	6.87	614267	20.0
unknown6.64	6.64	67.5	ng	2073340	1	6.87	614267	20.0
n-Hexadecanoic acid	11.93	7.0	ng	273844	4	11.40	777128	20.0
4H-Cyclopenta[def...	12.02	2.0	ng	79660	4	11.40	777128	20.0
Heptadecyl heptaf...	13.89	6.2	ng	333552	5	14.06	1070960	20.0
Heptadecane	14.52	2.0	ng	109286	5	14.06	1070960	20.0
Benzo[e]pyrene	15.42	4.1	ng	210127	6	15.55	1030370	20.0
Nonadecane	16.01	3.0	ng	155091	6	15.55	1030370	20.0