LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117842.D
Acq On : 18 Nov 2019 18:25
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

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-BF111319.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	2.210	15	21	29	rVB	742915	981206	17.55%	1.622%
2	5.134	510	518	527	rBV	796554	1033427	18.48%	1.709%
3	5.534	581	586	589	rBV	4858549	4675761	83.61%	7.731%
4	6.540	752	757	769	rBV	4756190	5086001	90.95%	8.409%
5	6.687	777	782	786	rBV	5437655	5150317	92.10%	8.516%
6	6.922	818	822	825	rVB	1674020	1390460	24.87%	2.299%
7	7.081	844	849	852	rBV	4279499	4009436	71.70%	6.629%
8	7.481	912	917	920	rBV	3609322	3142046	56.19%	5.195%
9	8.204	1036	1040	1044	rBV	2115404	1766256	31.59%	2.920%
10	9.286	1219	1224	1227	rBV	6479157	5592020	100.00%	9.246%
11	9.398	1239	1243	1252	rVB2	186118	192566	3.44%	0.318%
12	9.675	1287	1290	1295	rBV	633054	519070	9.28%	0.858%
13	9.828	1313	1316	1320	rVB	86112	68025	1.22%	0.112%
14	9.969	1336	1340	1343	rBV	2466119	2001971	35.80%	3.310%
15	10.757	1470	1474	1478	rBV	4084736	3635143	65.01%	6.010%
16	11.322	1564	1570	1574	rBV4	48055	70289	1.26%	0.116%
17	11.463	1590	1594	1596	rBV	2113412	1927741	34.47%	3.187%
18	11.480	1596	1597	1601	rVV	642668	487002	8.71%	0.805%
19	11.533	1601	1606	1609	rVB	171790	183499	3.28%	0.303%
20	11.686	1627	1632	1641	rBV2	90010	164974	2.95%	0.273%
21	11.963	1676	1679	1680	rBV	200367	160480	2.87%	0.265%
22	11.980	1680	1682	1687	rVB2	589127	645325	11.54%	1.067%
23	12.075	1695	1698	1700	rBV2	191513	202560	3.62%	0.335%
24	12.098	1700	1702	1705	rVB	144843	113092	2.02%	0.187%
25	12.257	1727	1729	1731	rBV	91023	74201	1.33%	0.123%
26	12.280	1731	1733	1740	rVB2	82147	75784	1.36%	0.125%
27	12.510	1768	1772	1776	rBV2	342336	481569	8.61%	0.796%
28	12.551	1776	1779	1781	rVV2	149121	181186	3.24%	0.300%
29	12.598	1784	1787	1792	rVB	93420	105463	1.89%	0.174%
30	12.674	1797	1800	1803	rBV	984366	858648	15.35%	1.420%
31	12.704	1803	1805	1809	rVB3	72076	77960	1.39%	0.129%
32	12.769	1814	1816	1819	rBV	248714	217303	3.89%	0.359%
33	12.904	1834	1839	1845	rBV	962498	1127672	20.17%	1.865%
34	12.957	1845	1848	1852	rVB2	57458	73798	1.32%	0.122%

LSC Area Percent Report

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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.051	1860	1864	1867	rBV	5153613	4498999	80.45%	7.439%
36	13.121	1873	1876	1880	rBV2	88464	121482	2.17%	0.201%
37	13.216	1888	1892	1893	rBV3	72378	85169	1.52%	0.141%
38	13.233	1893	1895	1898	rVB	111877	99238	1.77%	0.164%
39	13.280	1898	1903	1905	rBV	202342	206811	3.70%	0.342%
40	13.339	1910	1913	1916	rVB2	115344	103359	1.85%	0.171%
41	13.433	1926	1929	1931	rVB	87586	72068	1.29%	0.119%
42	13.463	1931	1934	1938	rBV	92733	86677	1.55%	0.143%
43	13.621	1957	1961	1966	rBV2	170889	192099	3.44%	0.318%
44	13.739	1978	1981	1986	rVB	135793	132945	2.38%	0.220%
45	13.857	1996	2001	2003	rBV2	83937	134012	2.40%	0.222%
46	13.886	2003	2006	2008	rBV	70323	65289	1.17%	0.108%
47	13.951	2013	2017	2024	rBV2	388258	541398	9.68%	0.895%
48	14.110	2037	2044	2046	rBV3	1560725	2049746	36.65%	3.389%
49	14.133	2046	2048	2056	rVB	485156	436581	7.81%	0.722%
50	14.268	2069	2071	2078	rVB5	78525	102726	1.84%	0.170%
51	14.363	2085	2087	2093	rVB4	51494	64106	1.15%	0.106%
52	14.492	2107	2109	2113	rVB2	115837	123503	2.21%	0.204%
53	14.527	2113	2115	2118	rVB2	102118	87490	1.56%	0.145%
54	14.574	2119	2123	2128	rBV4	115743	193891	3.47%	0.321%
55	14.892	2174	2177	2181	rVB2	100862	103133	1.84%	0.171%
56	14.974	2188	2191	2195	rBV2	121562	146747	2.62%	0.243%
57	15.068	2204	2207	2213	rVB4	75566	91505	1.64%	0.151%
58	15.168	2219	2224	2227	rBV2	389560	630792	11.28%	1.043%
59	15.251	2235	2238	2240	rBV	96253	91501	1.64%	0.151%
60	15.280	2240	2243	2248	rVB	72315	77228	1.38%	0.128%
61	15.486	2274	2278	2284	rVB	266464	361551	6.47%	0.598%
62	15.545	2284	2288	2293	rVB	274745	341236	6.10%	0.564%
63	15.615	2294	2300	2304	rBV	1302389	1712973	30.63%	2.832%
64	15.651	2304	2306	2312	rVB4	171042	212267	3.80%	0.351%
65	16.110	2380	2384	2391	rBV2	92365	165951	2.97%	0.274%
66	16.645	2471	2475	2479	rBV2	51536	84954	1.52%	0.140%
67	17.139	2553	2559	2566	rVB2	135361	280277	5.01%	0.463%
68	17.392	2598	2602	2608	rBV4	34700	66169	1.18%	0.109%
69	17.598	2631	2637	2647	rVB2	114016	244403	4.37%	0.404%

Sum of corrected areas: 60480527

LSC Report - Integrated Chromatogram

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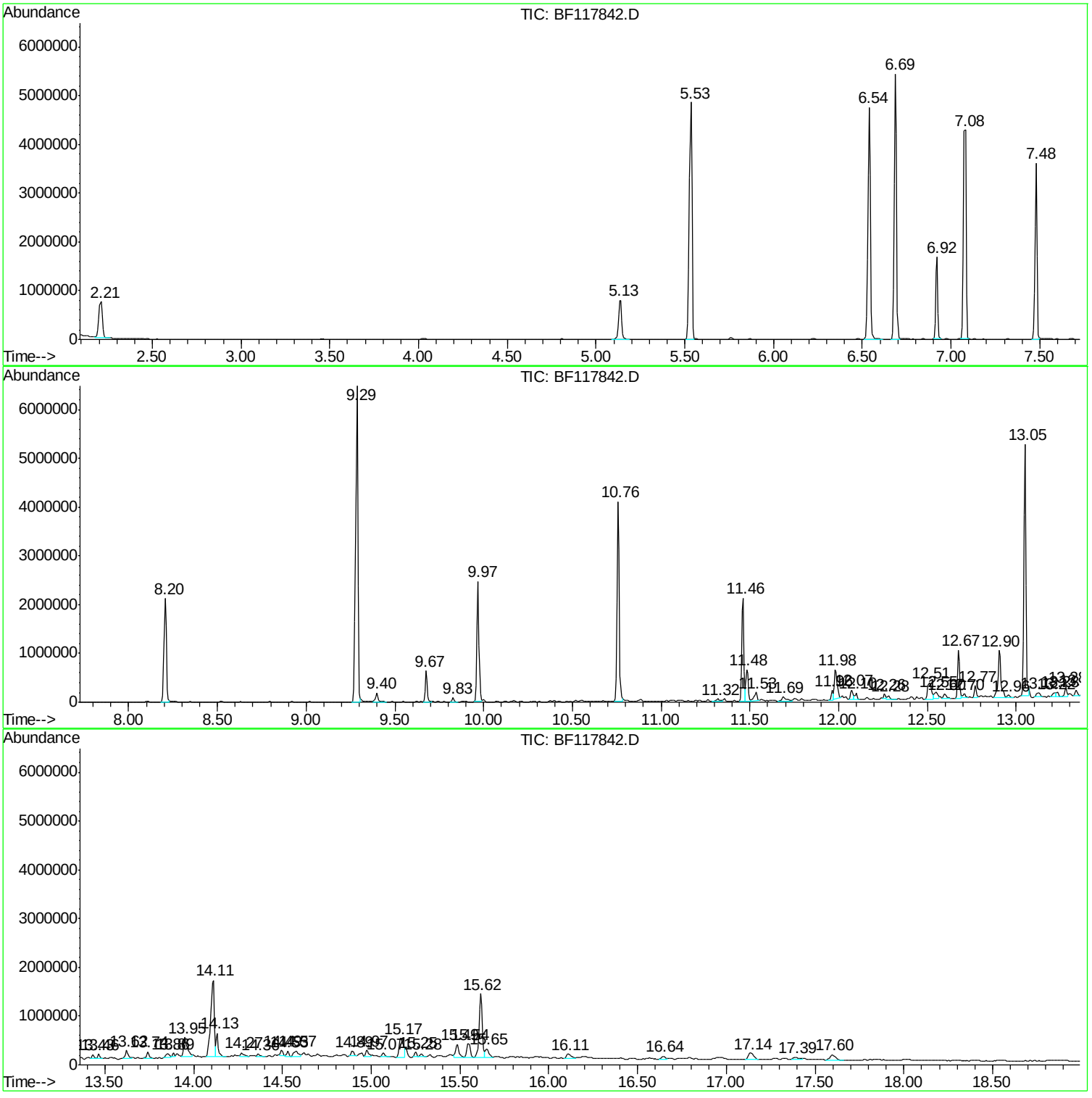
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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Data File : BF117842.D
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Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

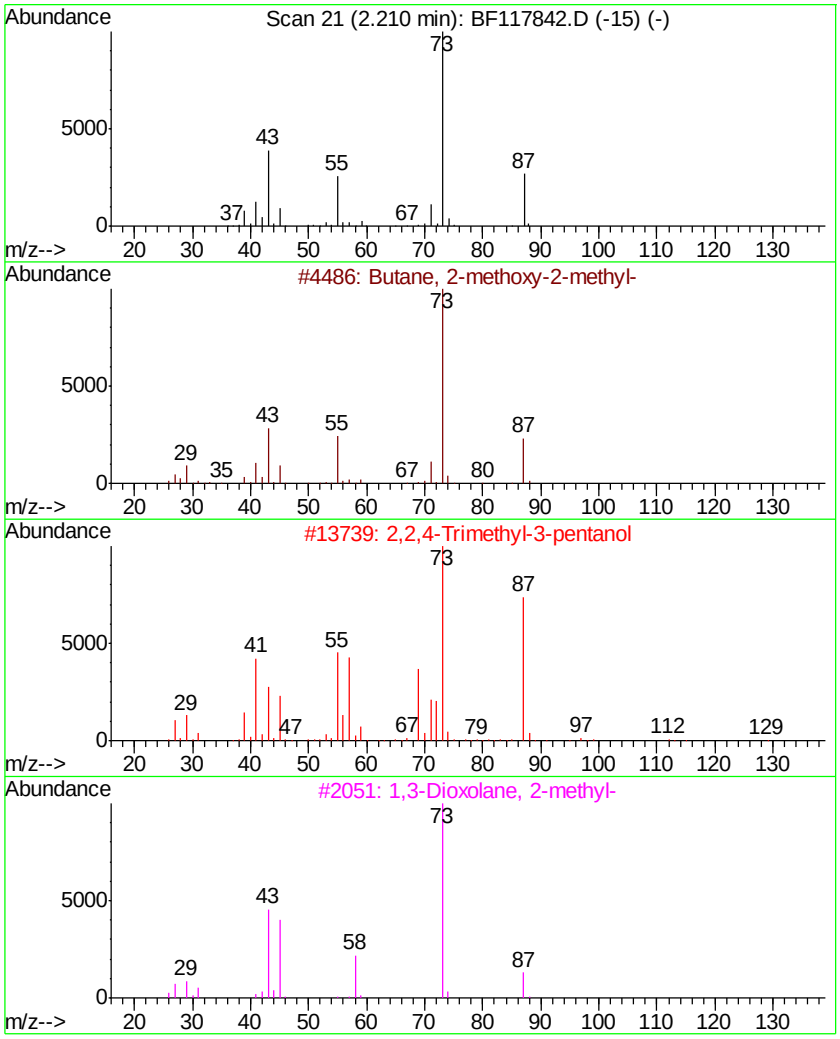
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

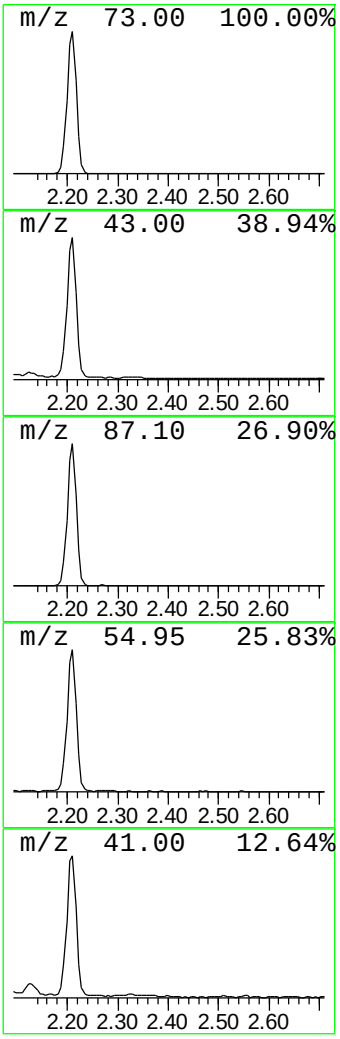
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	14.11 ng	981206	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117842.D
Acq On : 18 Nov 2019 18:25
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

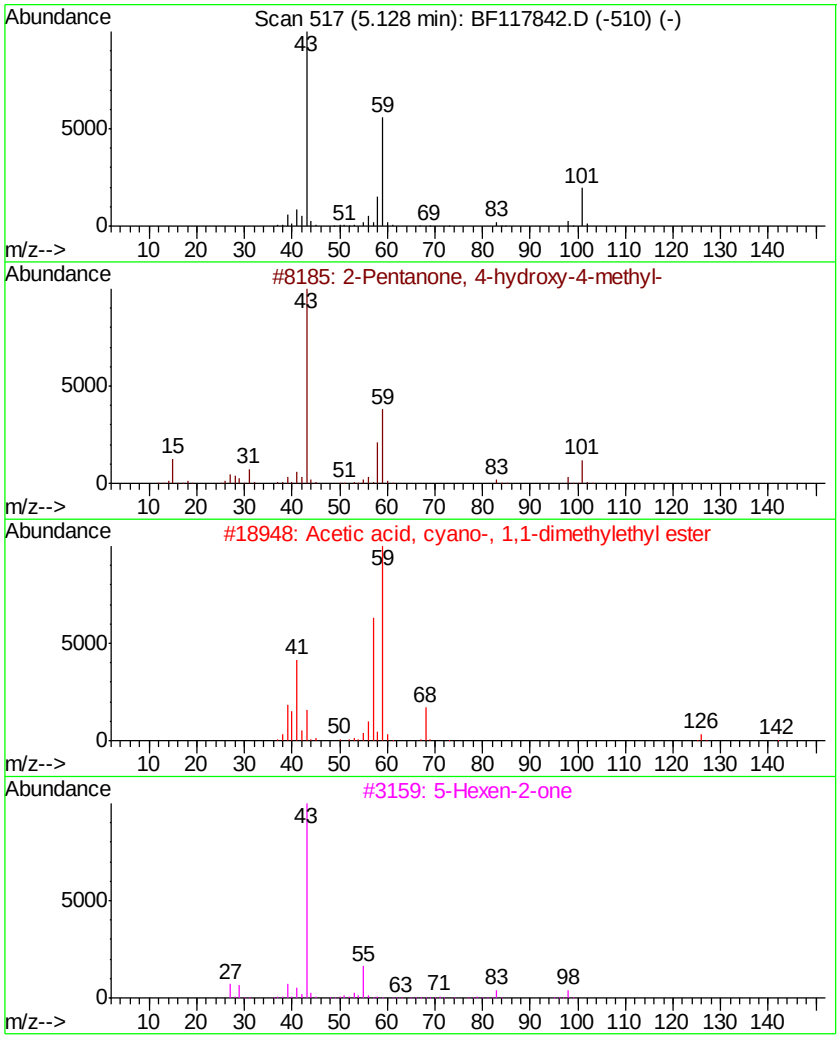
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

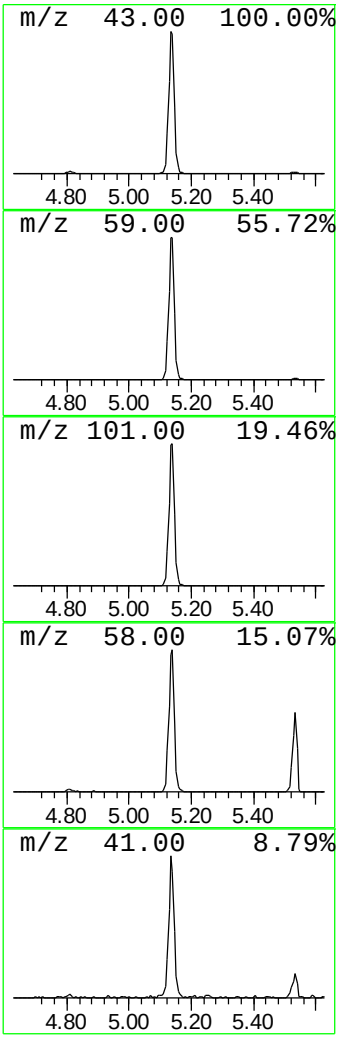
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	14.86 ng	1033430	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
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Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

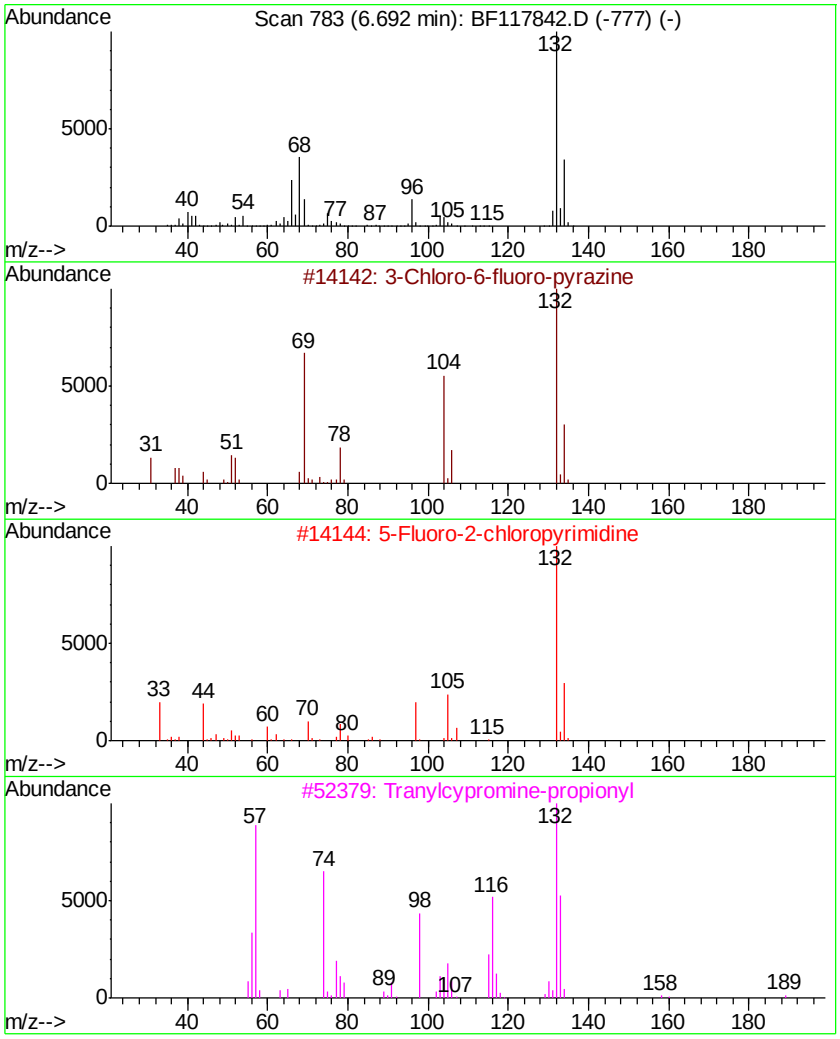
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

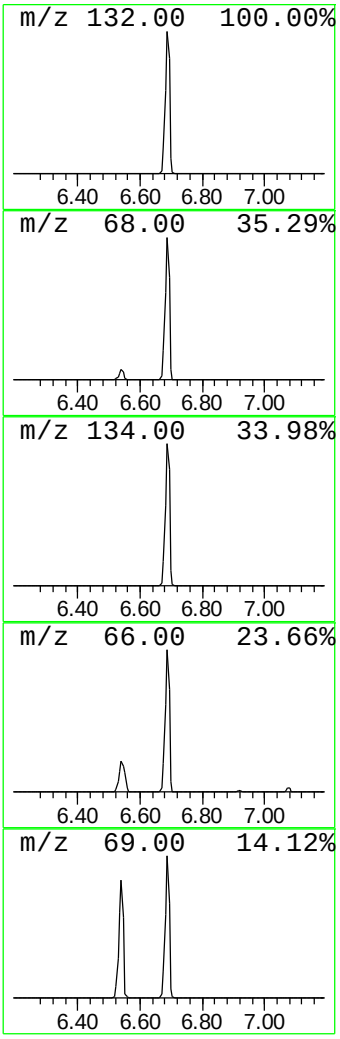
****

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	74.08 ng	5150320	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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TIC Library : C:\DATABASE\NIST11.L
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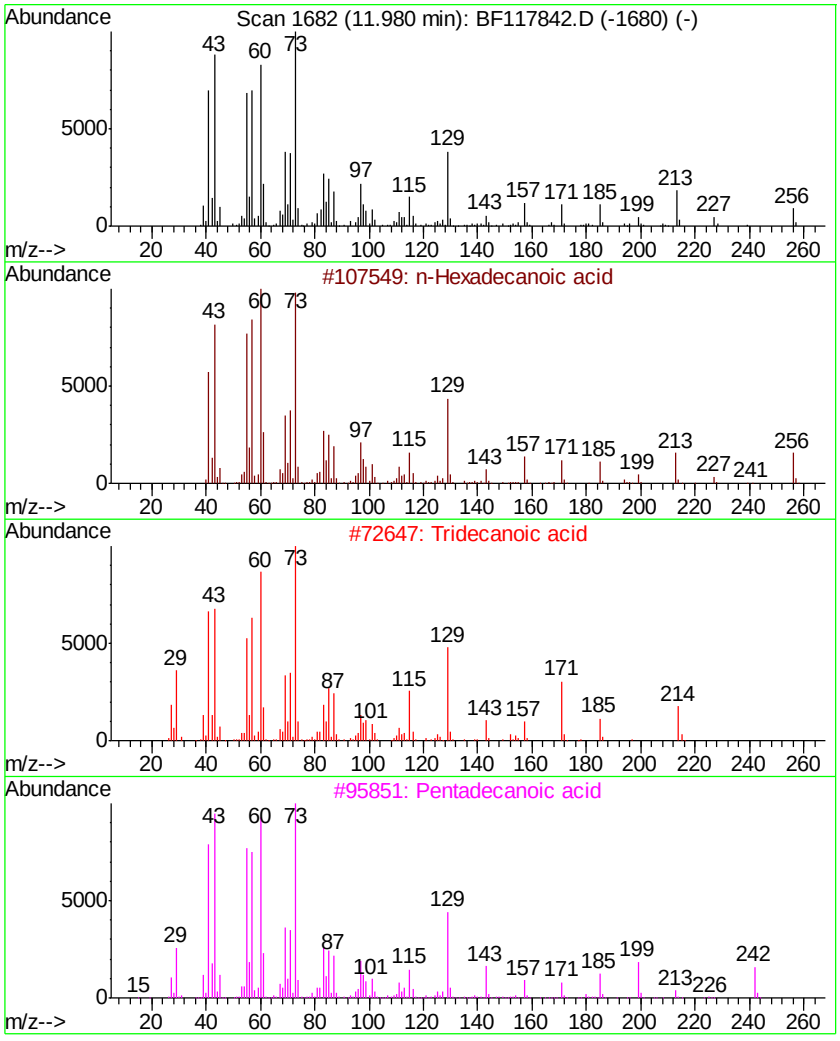
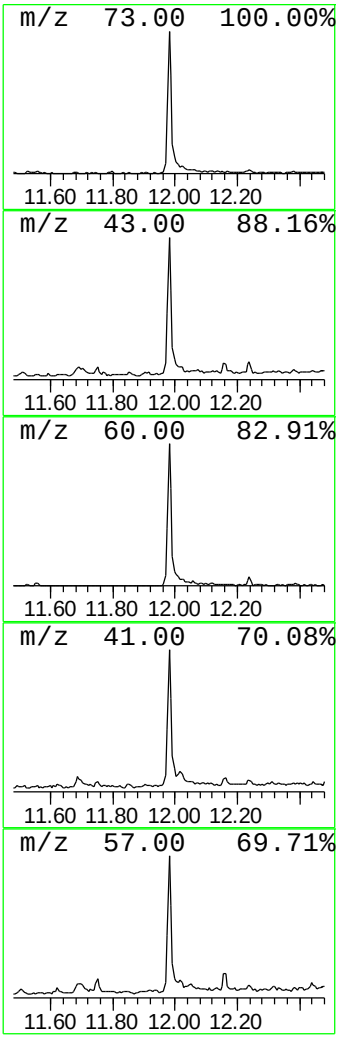
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.70 ng	645325	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

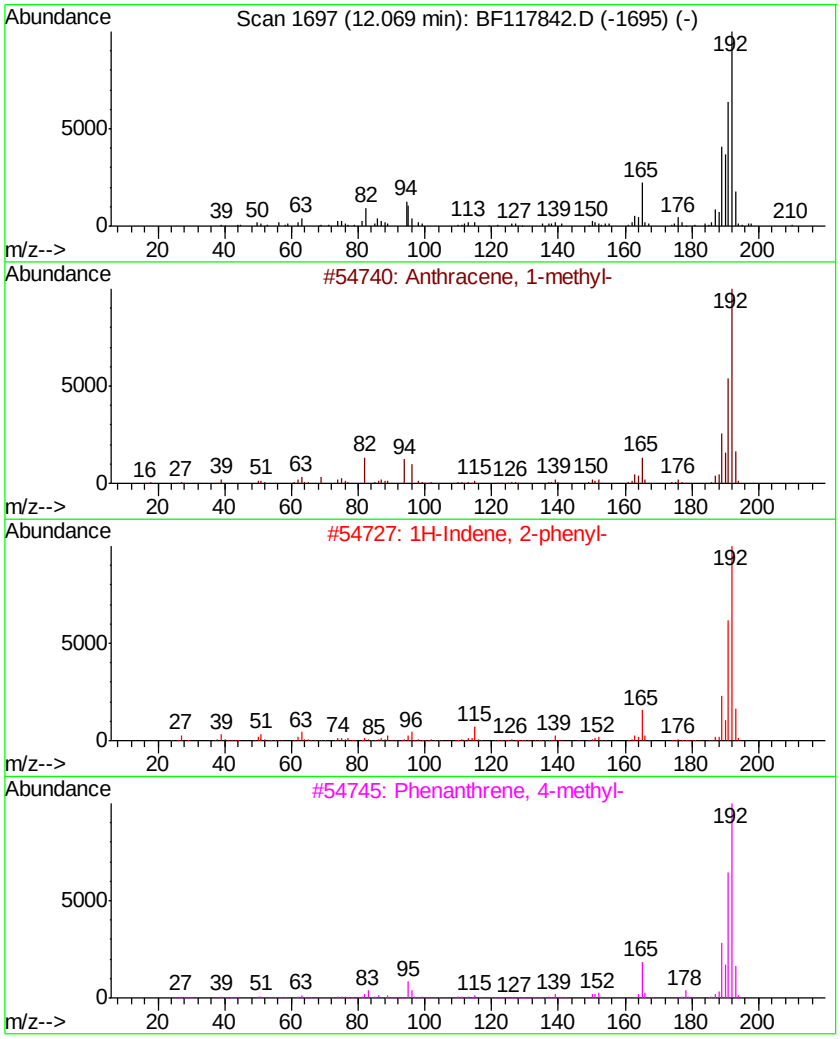
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

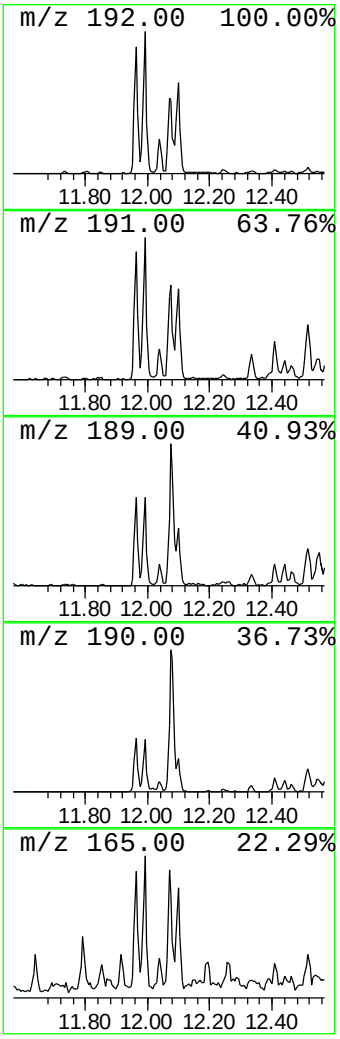
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.10 ng	202560	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	45
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	45





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

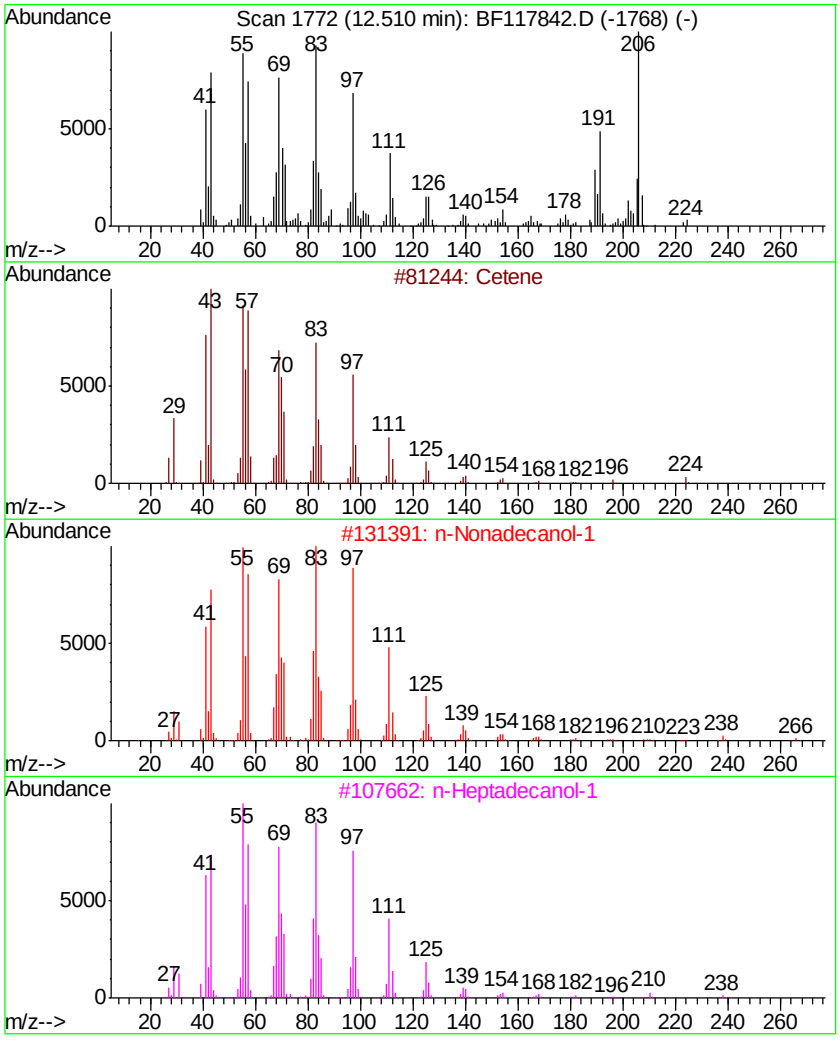
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

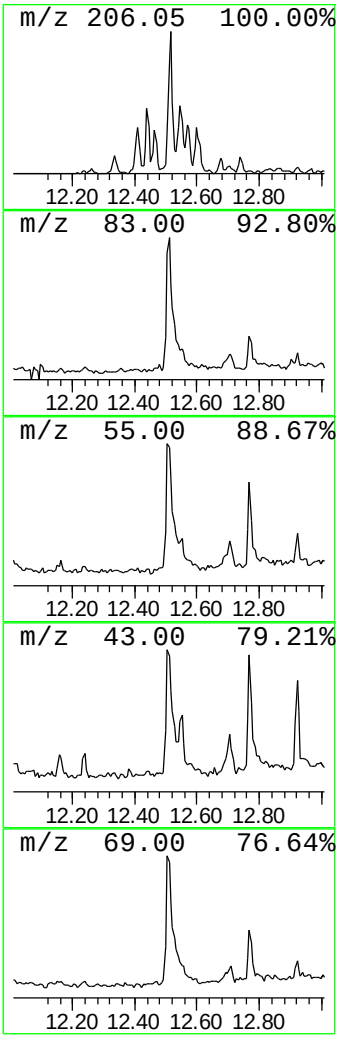
****

Peak Number 7 Cetene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	5.00 ng	481569	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	93
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	90
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	90
4	1-Hexadecanol	242	C16H34O	036653-82-4	78
5	Cyclohexadecane	224	C16H32	000295-65-8	78





Library Search Compound Report

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Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

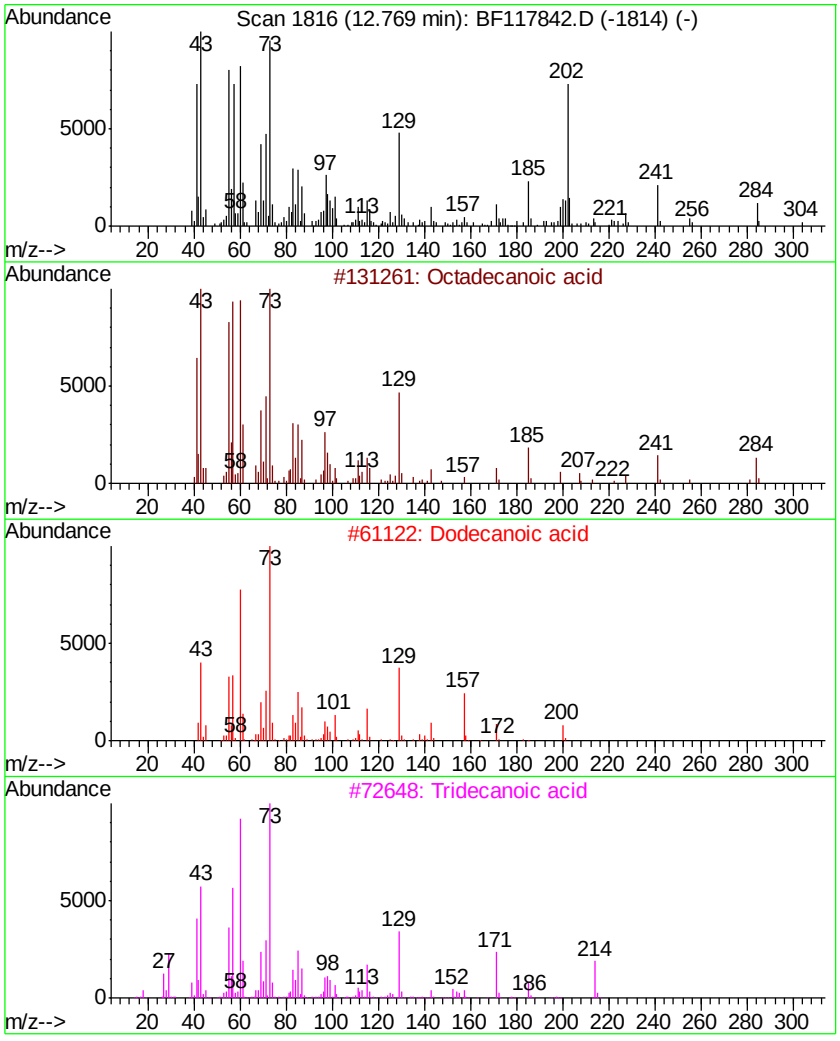
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

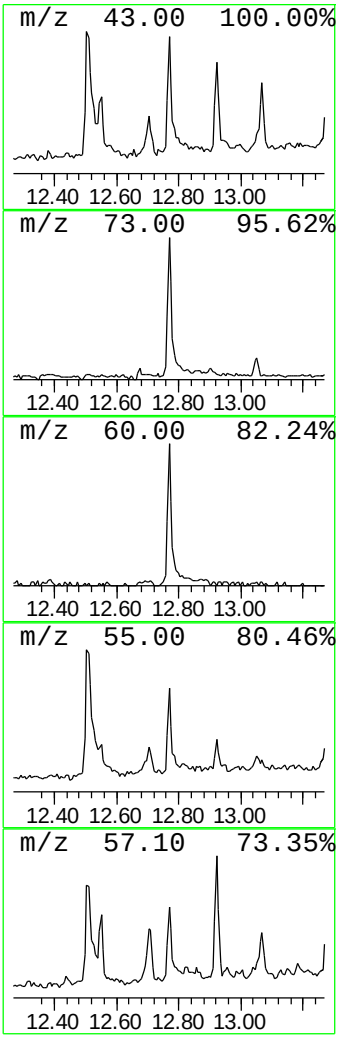
****

Peak Number 8 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.25 ng	217303	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Dodecanoic acid	200	C12H24O2	000143-07-7	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	60





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Data File : BF117842.D
Acq On : 18 Nov 2019 18:25
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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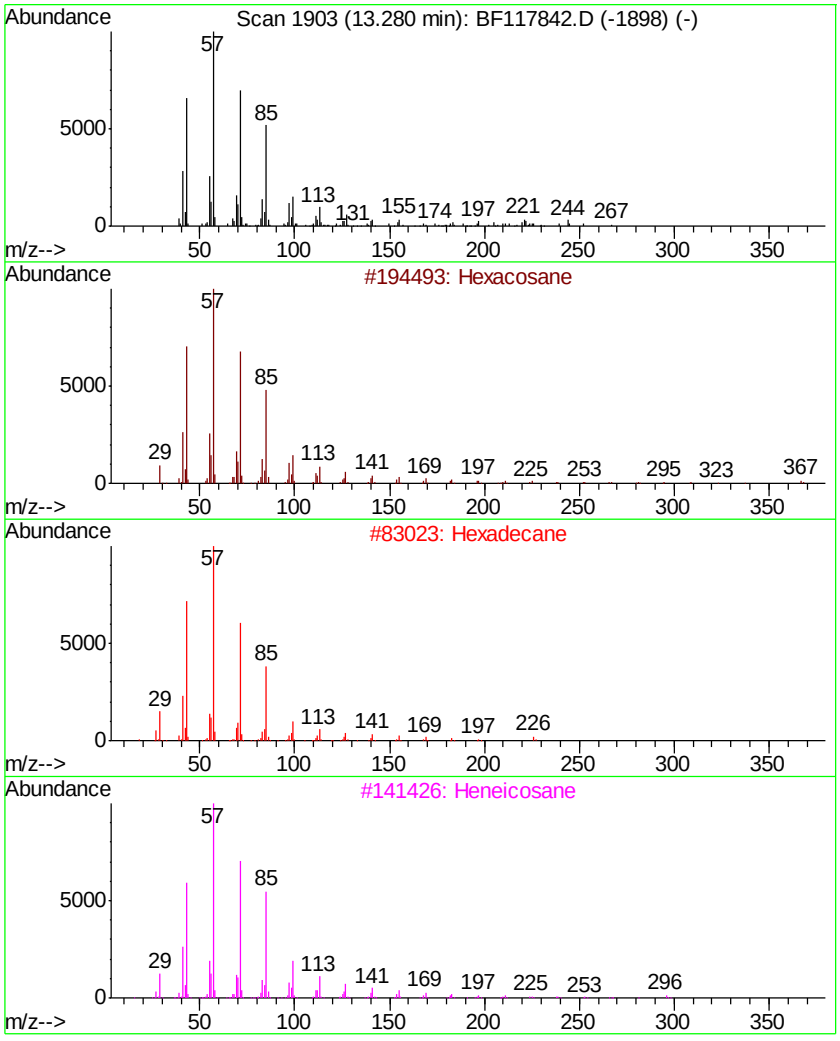
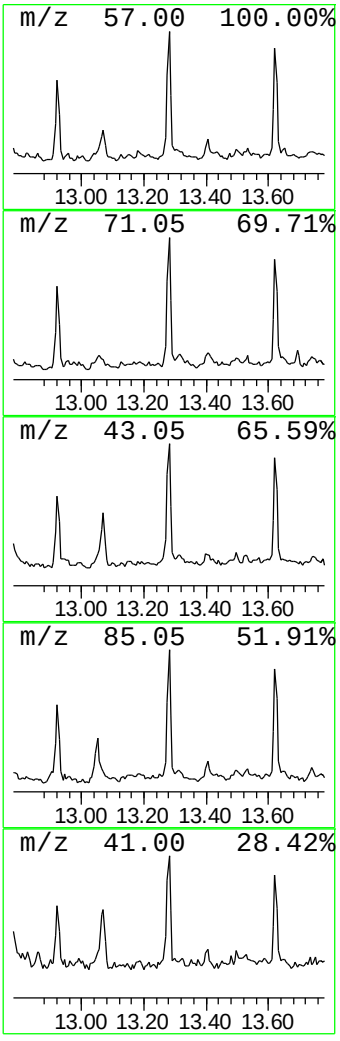
Peak Number 9 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.02 ng	206811	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
5	Octadecane	254	C18H38	000593-45-3	83





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Data File : BF117842.D
Acq On : 18 Nov 2019 18:25
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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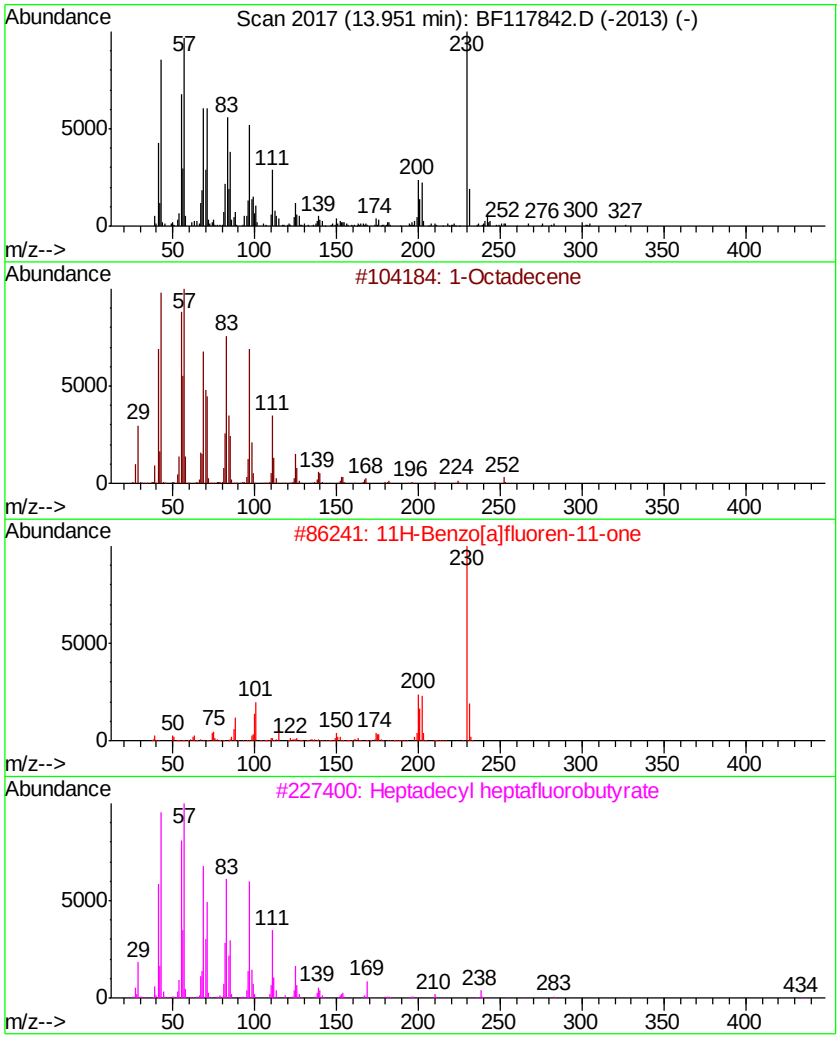
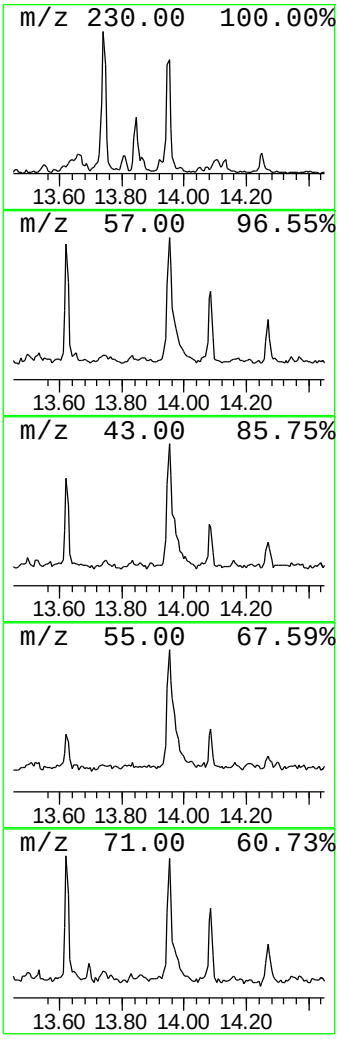
Peak Number 10 1-Octadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.28 ng	541398	Chrysene-d12	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	94
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	86
4	Cyclopentadecane	210	C15H30	000295-48-7	60
5	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117842.D
Acq On : 18 Nov 2019 18:25
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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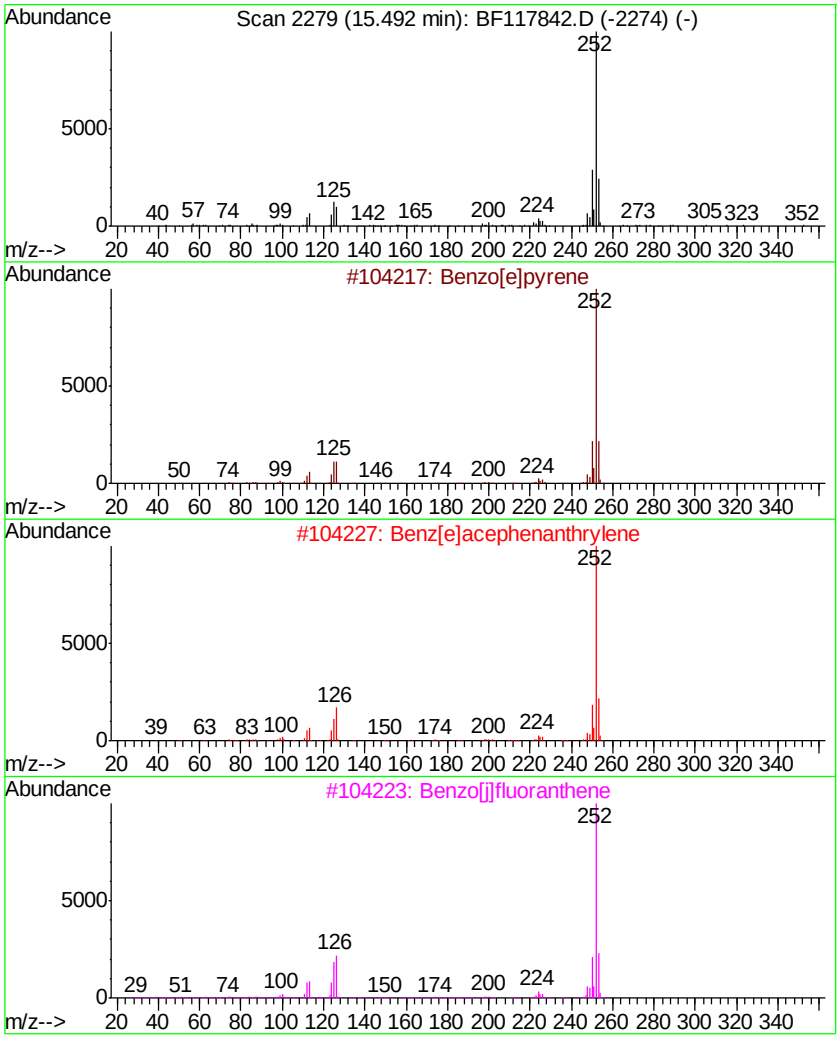
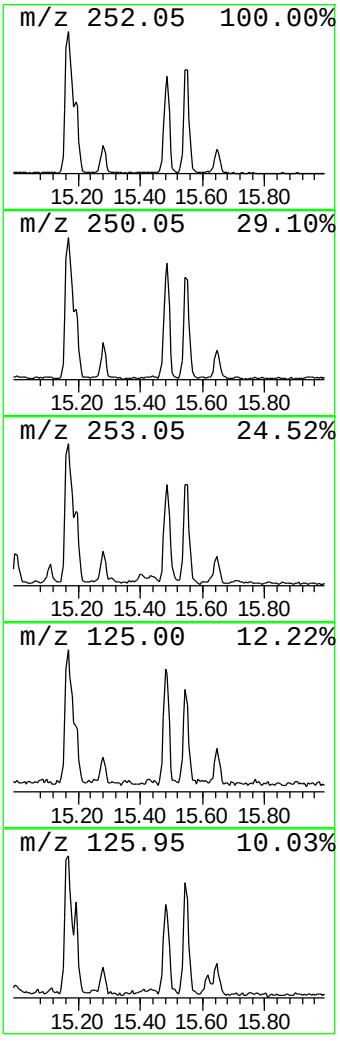
Peak Number 11 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	4.22 ng	361551	Perylene-d12	15.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111819\
Data File : BF117842.D
Acq On : 18 Nov 2019 18:25
Operator : JU
Sample : K5833-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 7-(6-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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...	2.21	14.1	ng	981206	1	6.92	1390460	20.0
2-Pentanone, 4-hy...	5.13	14.9	ng	1033430	1	6.92	1390460	20.0
unknown6.69	6.69	74.1	ng	5150320	1	6.92	1390460	20.0
n-Hexadecanoic acid	11.98	6.7	ng	645325	4	11.46	1927740	20.0
Anthracene, 1-met...	12.07	2.1	ng	202560	4	11.46	1927740	20.0
Cetene	12.51	5.0	ng	481569	4	11.46	1927740	20.0
Octadecanoic acid	12.77	2.3	ng	217303	4	11.46	1927740	20.0
Hexacosane	13.28	2.0	ng	206811	5	14.11	2049750	20.0
1-Octadecene	13.95	5.3	ng	541398	5	14.11	2049750	20.0
Benzo[e]pyrene	15.49	4.2	ng	361551	6	15.62	1712970	20.0