LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

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-BF071219.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	2.222	15	23	31	rVB	779123	1057506	25.98%	2.163%
2	5.122	513	516	524	rVB	33993	42271	1.04%	0.086%
3	5.510	577	582	585	rBV	3733172	3743432	91.96%	7.657%
4	6.516	747	753	756	rBV	3580141	3990742	98.04%	8.163%
5	6.651	771	776	780	rBV	3835622	4070616	100.00%	8.327%
6	6.881	811	815	819	rBV	1562050	1249281	30.69%	2.555%
7	7.039	837	842	845	rBV	3244902	2849636	70.01%	5.829%
8	7.439	905	910	913	rBV	2522044	2527724	62.10%	5.171%
9	8.163	1028	1033	1035	rBV	1893634	1601021	39.33%	3.275%
10	8.186	1035	1037	1043	rVB	289820	246220	6.05%	0.504%
11	8.875	1151	1154	1160	rBV	73884	60464	1.49%	0.124%
12	9.239	1211	1216	1219	rBV	4295209	3760401	92.38%	7.692%
13	9.628	1279	1282	1285	rBV	1224497	880239	21.62%	1.801%
14	9.922	1325	1332	1335	rBV	1862919	1792077	44.02%	3.666%
15	9.951	1335	1337	1340	rVB	264007	195066	4.79%	0.399%
16	10.122	1362	1366	1371	rBV	148690	136372	3.35%	0.279%
17	10.463	1421	1424	1430	rVB	239361	198213	4.87%	0.405%
18	10.704	1461	1465	1469	rBV	2638828	2725970	66.97%	5.576%
19	11.010	1511	1517	1520	rBV3	31074	46288	1.14%	0.095%
20	11.263	1555	1560	1564	rBV4	26039	50125	1.23%	0.103%
21	11.298	1564	1566	1572	rVB	96283	83603	2.05%	0.171%
22	11.404	1580	1584	1586	rBV	1975851	1683431	41.36%	3.444%
23	11.427	1586	1588	1591	rVV	1507452	1138001	27.96%	2.328%
24	11.474	1591	1596	1600	rVB	316046	325934	8.01%	0.667%
25	11.627	1617	1622	1625	rBV	172638	160805	3.95%	0.329%
26	11.904	1666	1669	1671	rBV	114749	103521	2.54%	0.212%
27	11.933	1671	1674	1677	rVV	681594	693191	17.03%	1.418%
28	11.980	1680	1682	1685	rVV	65644	68172	1.67%	0.139%
29	12.016	1685	1688	1691	rVV	195038	221898	5.45%	0.454%
30	12.039	1691	1692	1697	rVB	75505	45166	1.11%	0.092%
31	12.198	1716	1719	1721	rBV	82964	66097	1.62%	0.135%
32	12.221	1721	1723	1727	rVB	64599	53647	1.32%	0.110%
33	12.457	1759	1763	1766	rBV	48973	54264	1.33%	0.111%
34	12.492	1766	1769	1774	rVV3	42687	59798	1.47%	0.122%

LSC Area Percent Report

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Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.539	1774	1777	1782	rVB2	39714	42190	1.04%	0.086%
36	12.616	1786	1790	1794	rBV	1245245	1043511	25.64%	2.135%
37	12.710	1804	1806	1814	rBV2	159786	213731	5.25%	0.437%
38	12.845	1824	1829	1832	rBV	990489	967770	23.77%	1.980%
39	12.892	1835	1837	1843	rVB2	41216	46527	1.14%	0.095%
40	12.986	1849	1853	1860	rVB	3372427	3246275	79.75%	6.640%
41	13.068	1862	1867	1869	rBV2	50506	79589	1.96%	0.163%
42	13.174	1882	1885	1888	rVB	134188	126225	3.10%	0.258%
43	13.239	1894	1896	1899	rVB	99298	70380	1.73%	0.144%
44	13.274	1899	1902	1905	rBV2	70753	77015	1.89%	0.158%
45	13.368	1915	1918	1921	rBV	45875	42612	1.05%	0.087%
46	13.398	1921	1923	1927	rVV3	41810	42711	1.05%	0.087%
47	13.563	1946	1951	1955	rBV8	66857	127202	3.12%	0.260%
48	13.674	1968	1970	1975	rVB	61160	76342	1.88%	0.156%
49	13.792	1987	1990	1992	rBV2	59931	55556	1.36%	0.114%
50	13.845	1997	1999	2003	rVV2	47101	73572	1.81%	0.150%
51	13.886	2003	2006	2010	rVV3	95399	111020	2.73%	0.227%
52	13.939	2010	2015	2025	rVV6	133458	458399	11.26%	0.938%
53	14.045	2028	2033	2035	rVV2	1243228	1568716	38.54%	3.209%
54	14.068	2035	2037	2042	rVB	424437	370650	9.11%	0.758%
55	14.145	2048	2050	2055	rVB	86029	79556	1.95%	0.163%
56	14.204	2058	2060	2062	rVB	76656	56773	1.39%	0.116%
57	14.263	2067	2070	2073	rBV2	51585	58312	1.43%	0.119%
58	14.427	2096	2098	2101	rVB	65315	52202	1.28%	0.107%
59	14.510	2109	2112	2117	rVB2	122968	138444	3.40%	0.283%
60	14.574	2121	2123	2127	rVB2	53326	44908	1.10%	0.092%
61	14.815	2161	2164	2169	rVB	132315	148910	3.66%	0.305%
62	14.898	2175	2178	2180	rBV	53544	58002	1.42%	0.119%
63	15.086	2206	2210	2213	rBV	347534	510304	12.54%	1.044%
64	15.157	2219	2222	2226	rVB2	150184	172909	4.25%	0.354%
65	15.392	2258	2262	2268	rVB	202409	267113	6.56%	0.546%
66	15.451	2268	2272	2278	rBV	300721	366611	9.01%	0.750%
67	15.515	2278	2283	2286	rVV	902476	1159176	28.48%	2.371%
68	15.545	2286	2288	2296	rVB	216246	261082	6.41%	0.534%
69	15.986	2360	2363	2370	rVB	104282	140638	3.45%	0.288%
70	16.498	2446	2450	2455	rVB2	60369	98000	2.41%	0.200%
71	16.992	2530	2534	2542	rVB2	120667	228533	5.61%	0.467%

LSC Area Percent Report

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Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18107-NYCT-AVE-Z-COMP-1-2

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.439	2606	2610	2623	rVB	100600	224365	5.51%	0.459%

Sum of corrected areas: 48887023

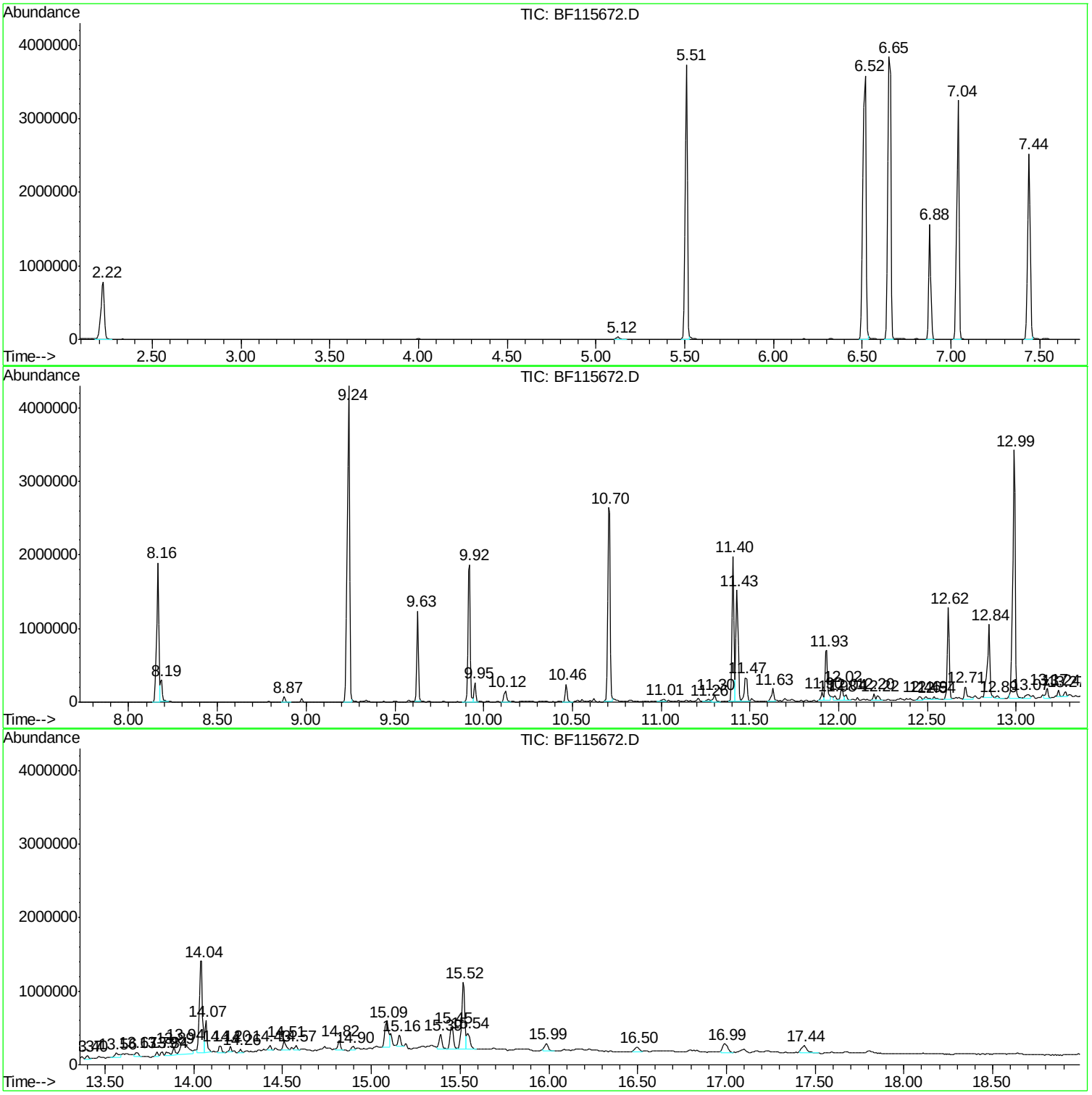
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

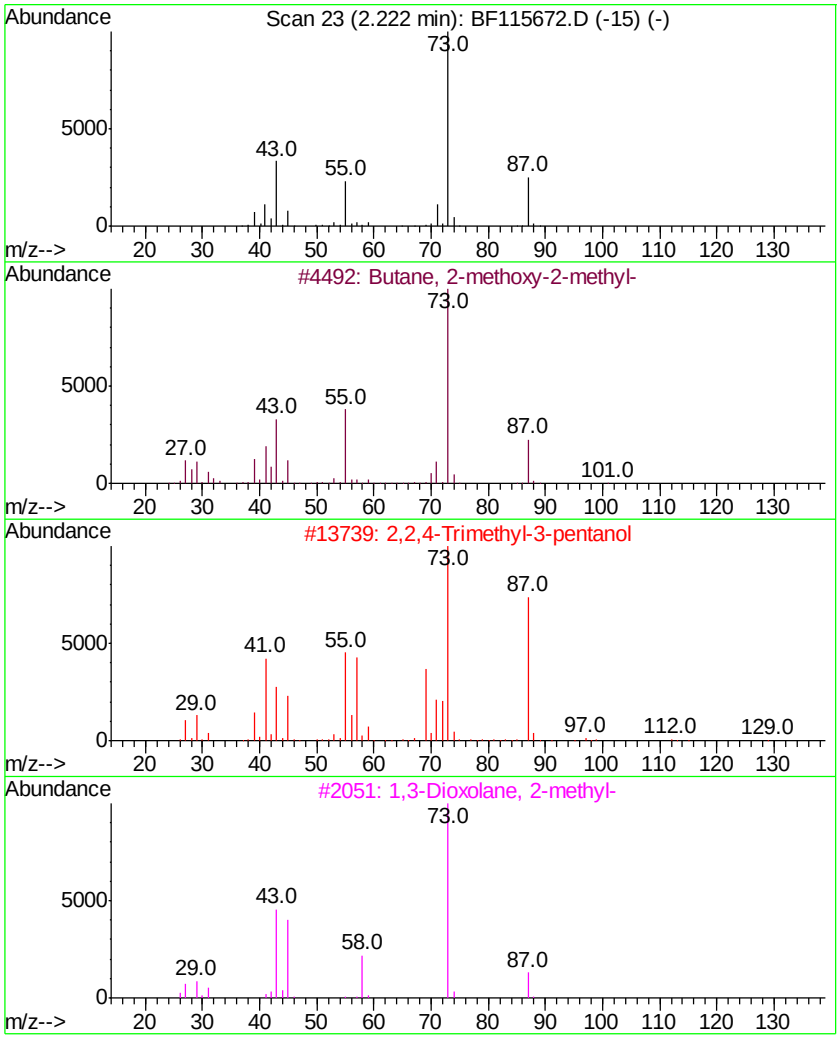
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

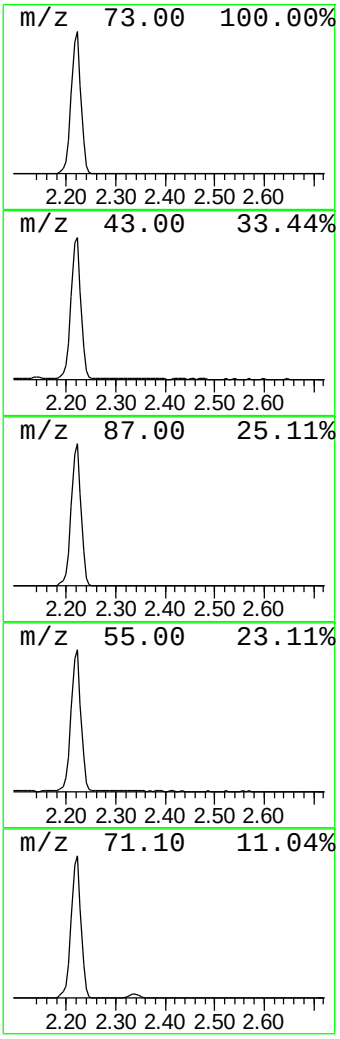
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	16.93 ng	1057510	1,4-Dichlorobenzene-d4	6.88

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	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

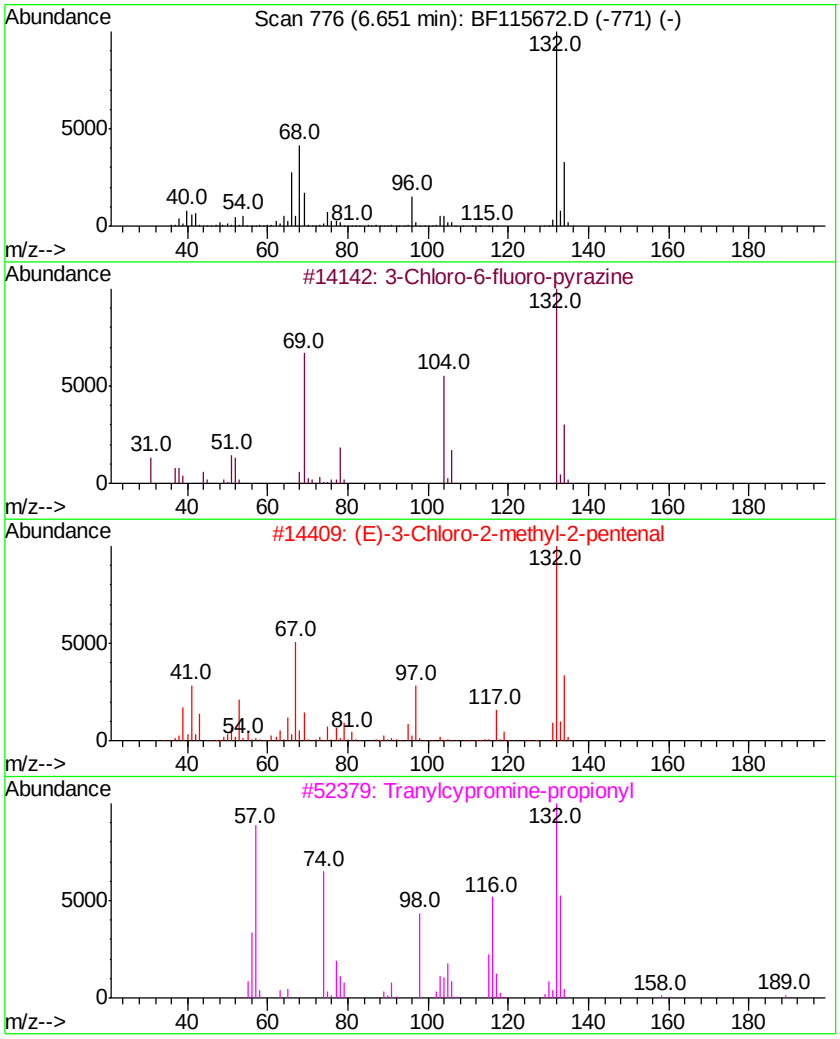
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

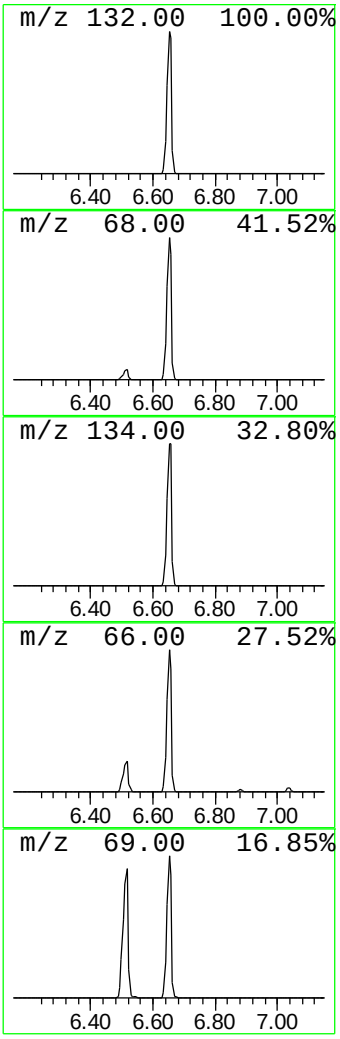
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	65.17 ng	4070620	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

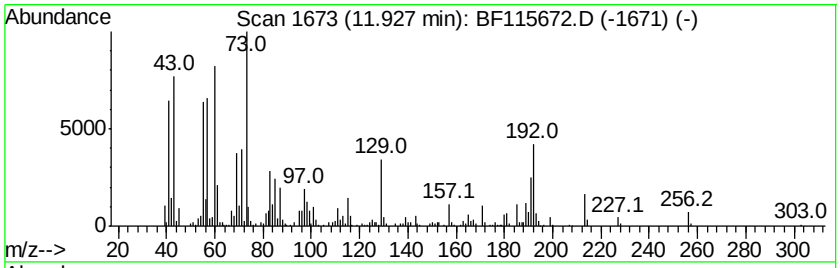
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

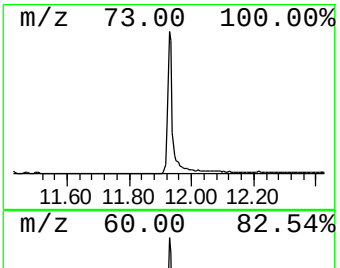
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	8.24 ng	693191	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	89





Library Search Compound Report

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Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

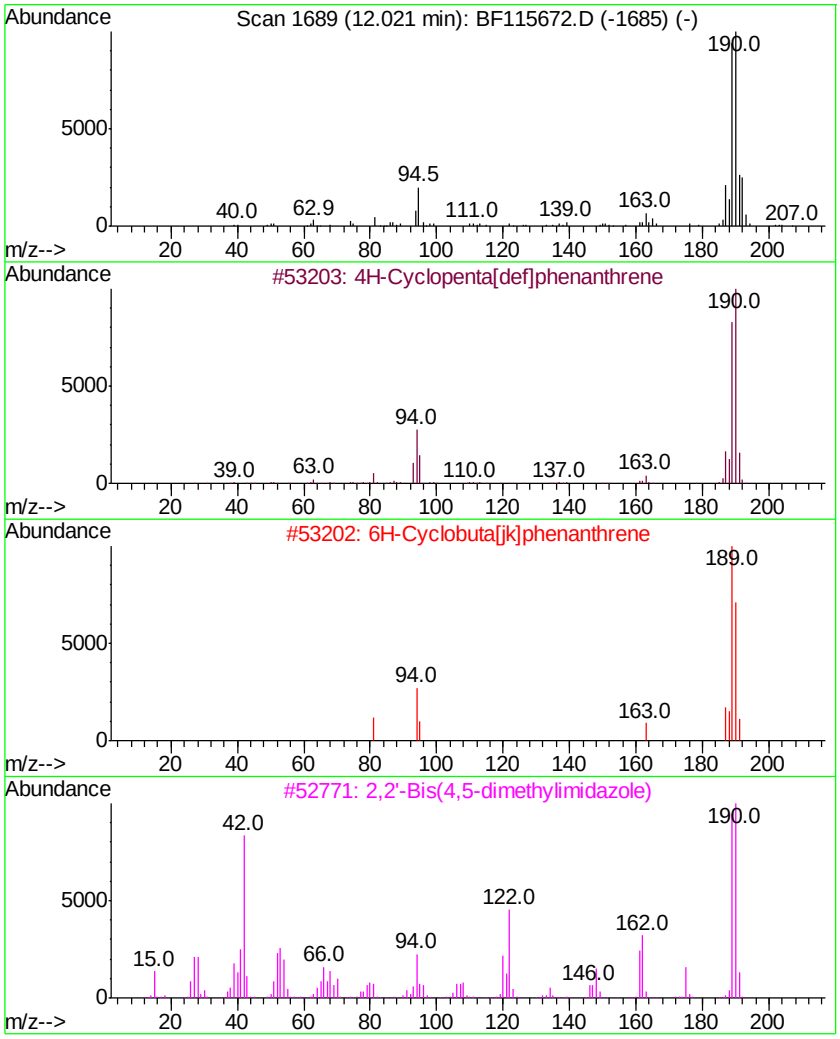
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

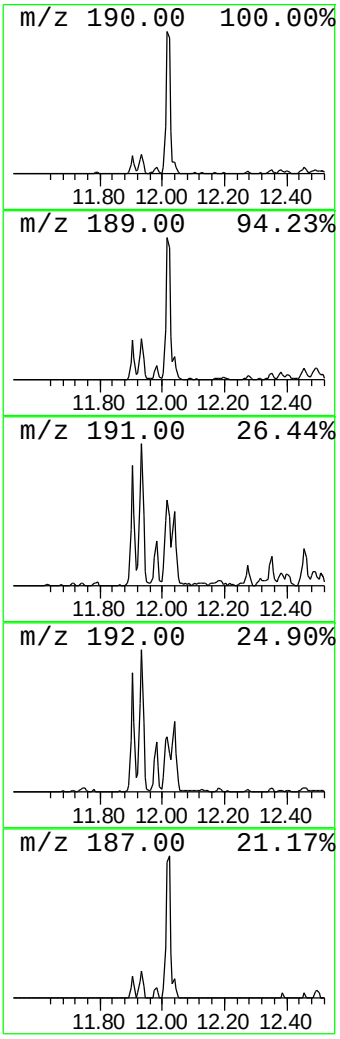
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.64 ng	221898	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Library Search Compound Report

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Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
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Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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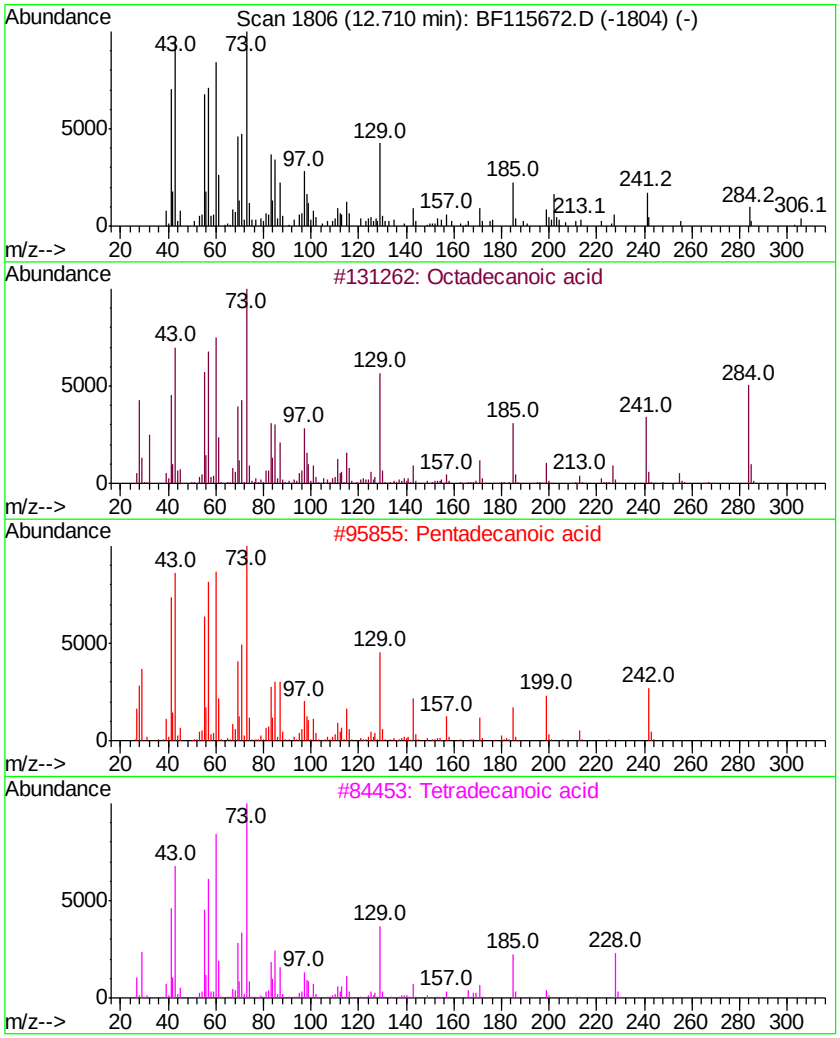
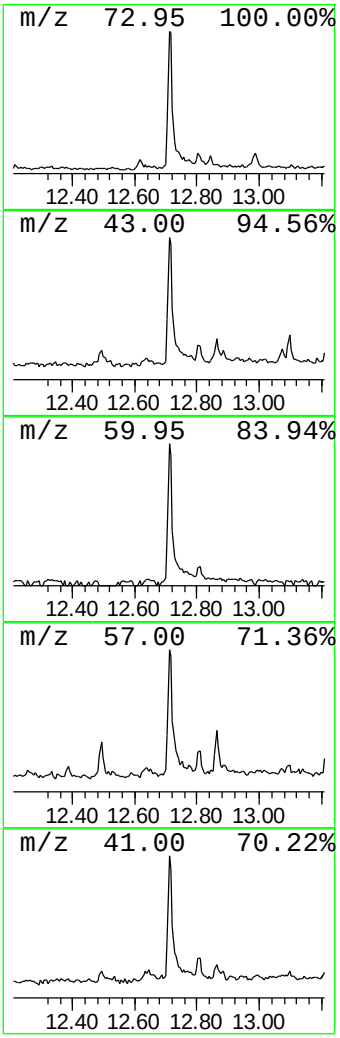
Peak Number 6 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	2.54 ng	213731	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Dodecanoic acid	200	C12H24O2	000143-07-7	86
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





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Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

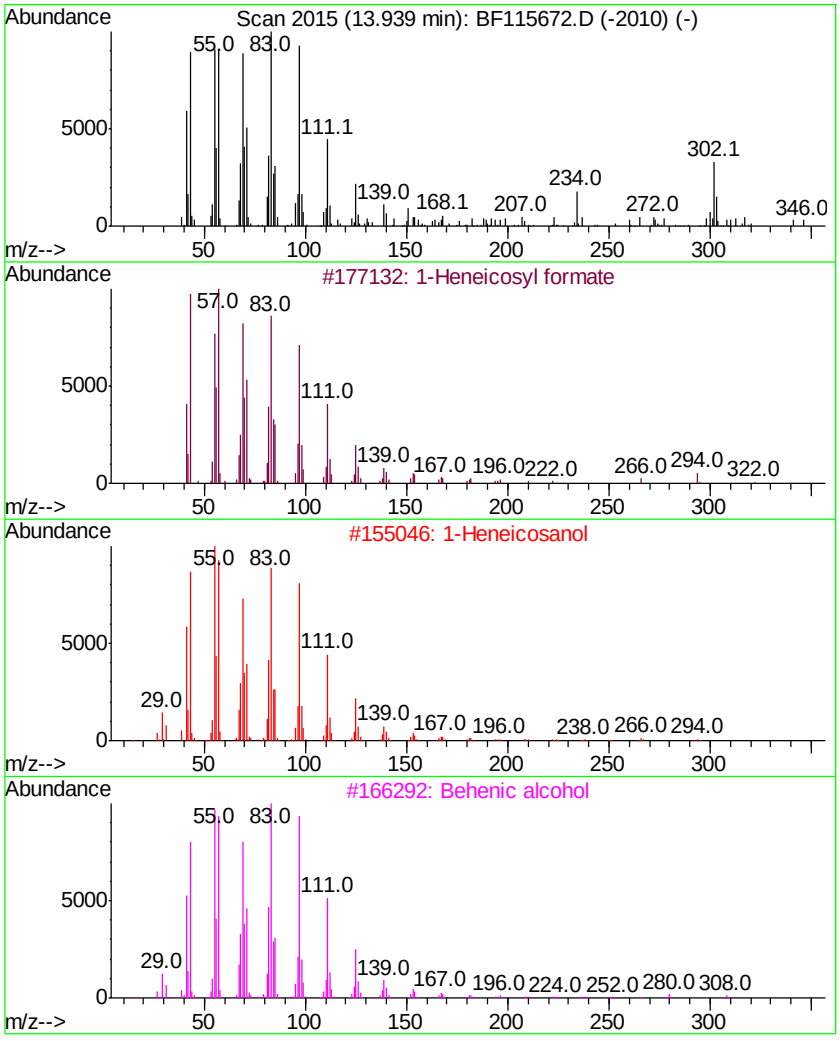
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

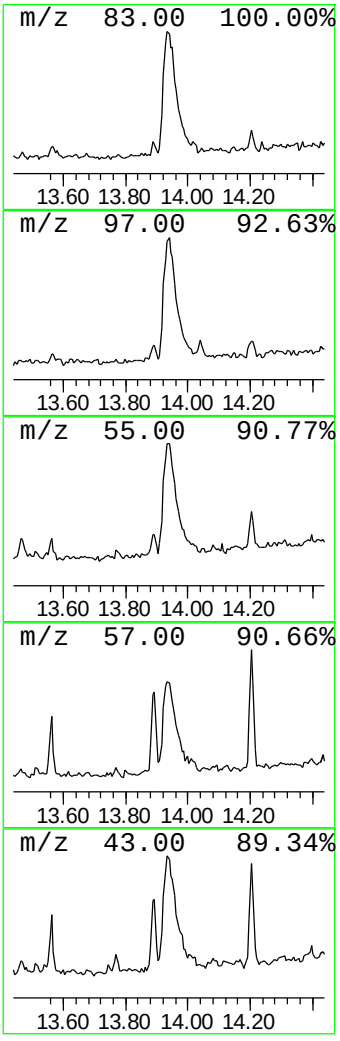
****

Peak Number 7 1-Heneicosyl formate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	5.84 ng	458399	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93





Library Search Compound Report

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Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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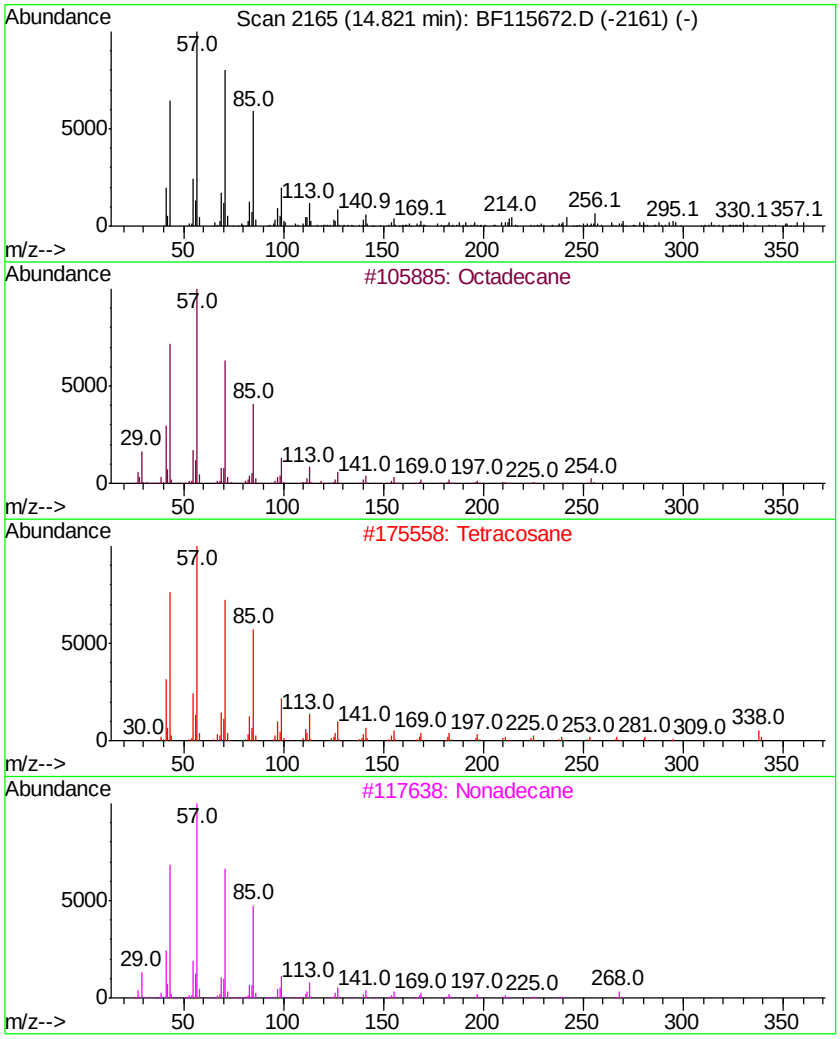
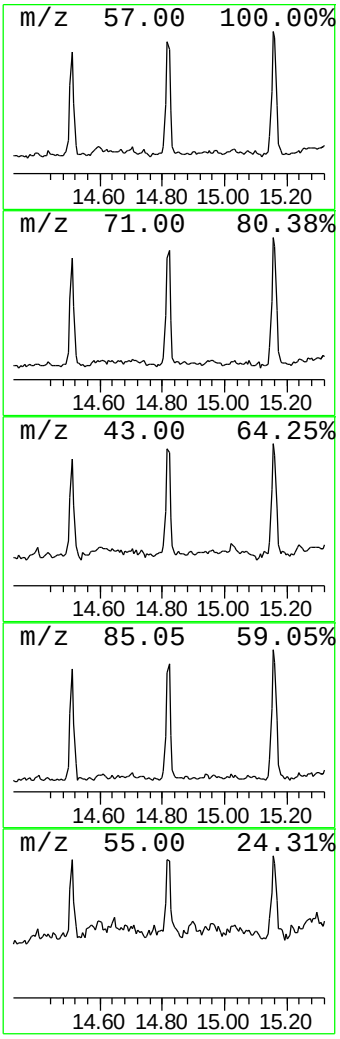
Peak Number 8 Octadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	2.57 ng	148910	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	97
2	Tetracosane	338	C24H50	000646-31-1	95
3	Nonadecane	268	C19H40	000629-92-5	91
4	Tetratetracontane	619	C44H90	007098-22-8	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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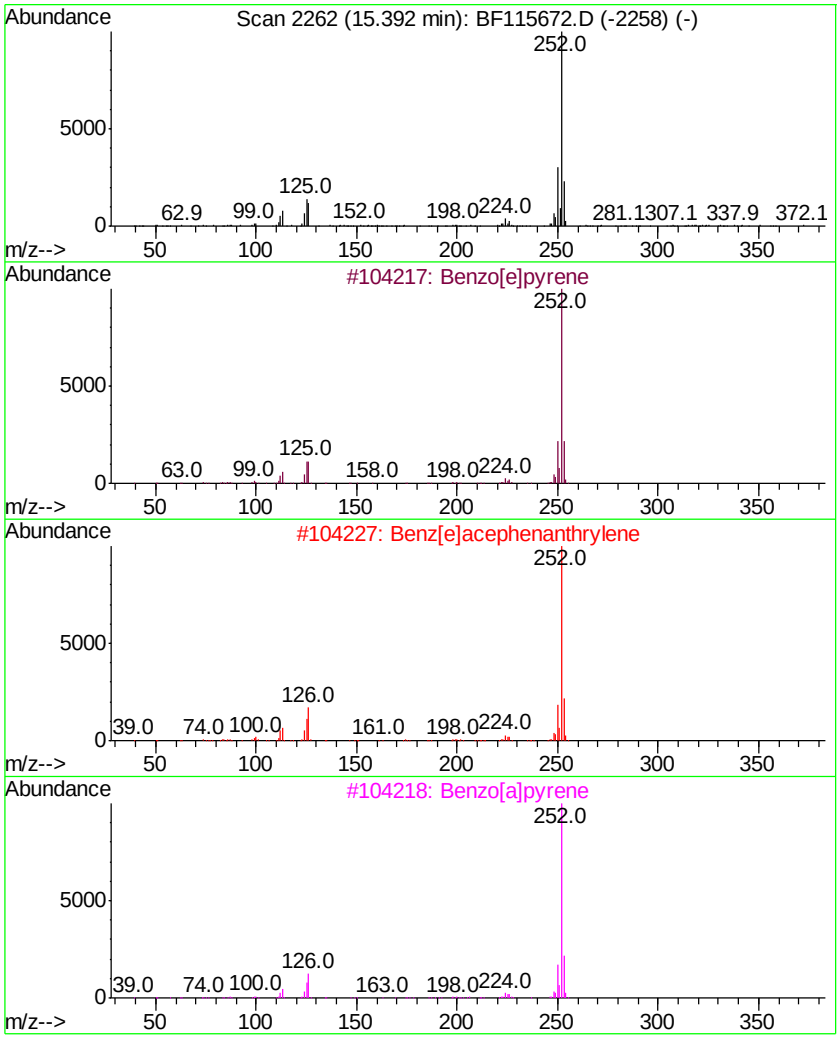
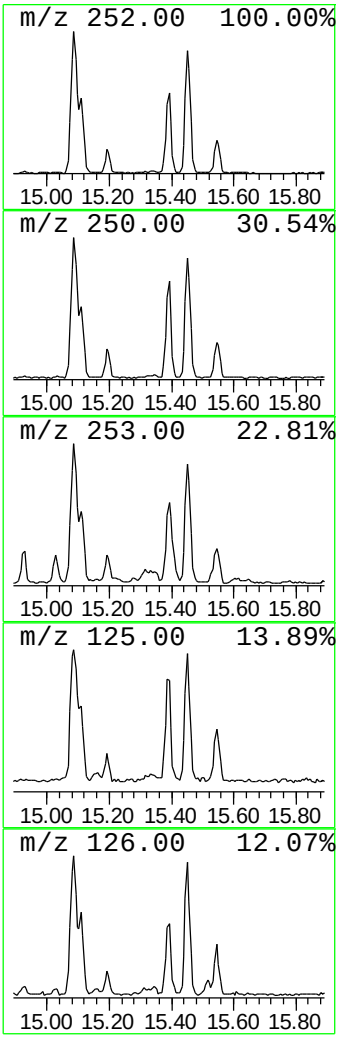
Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	4.61 ng	267113	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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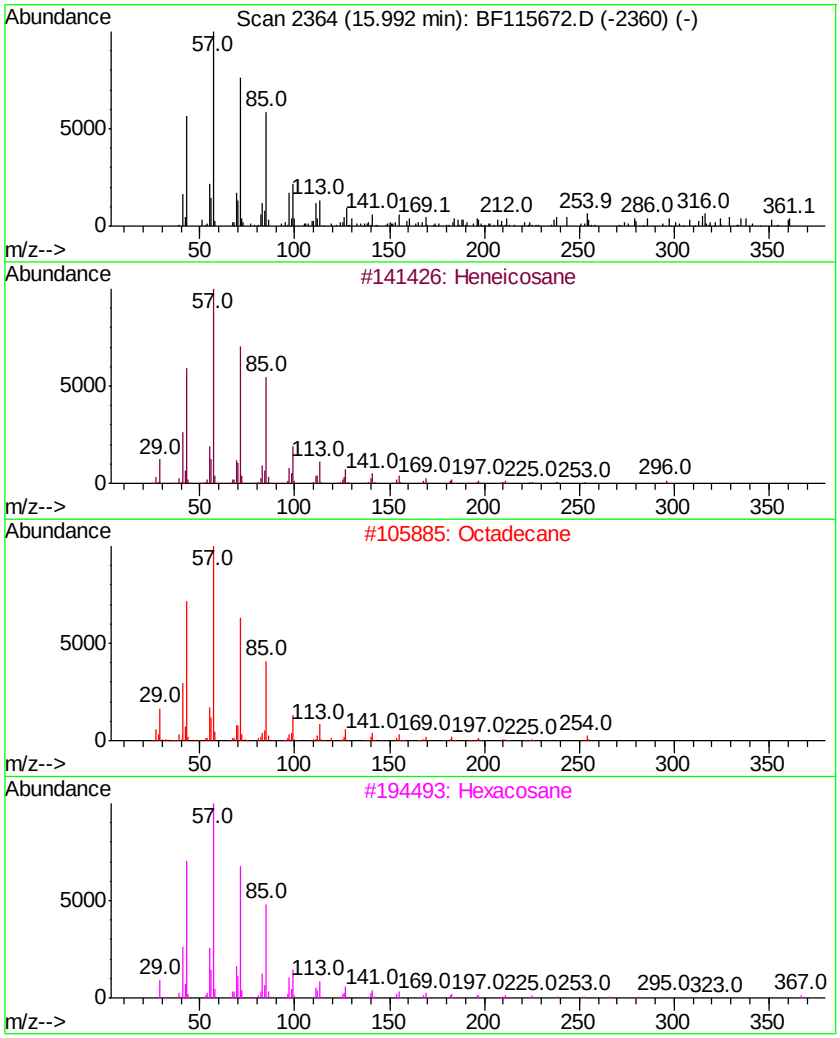
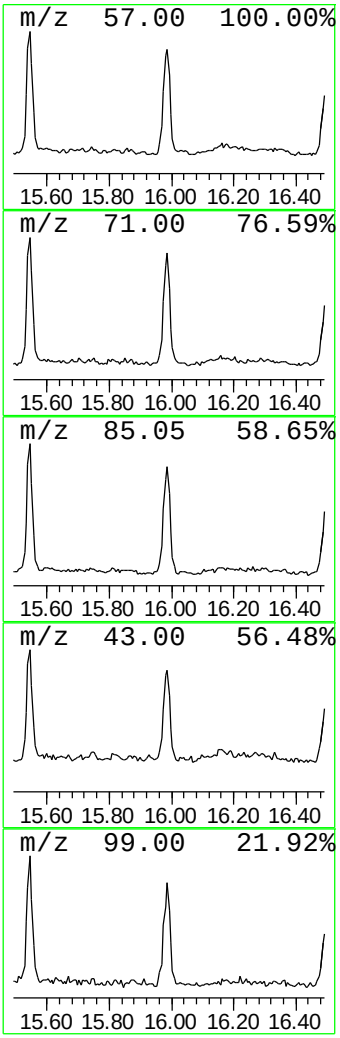
Peak Number 10 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.43 ng	140638	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Octadecane	254	C18H38	000593-45-3	90
3	Hexacosane	366	C26H54	000630-01-3	87
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Tetracosane	338	C24H50	000646-31-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071919\
Data File : BF115672.D
Acq On : 19 Jul 2019 13:00
Operator : HP/JU
Sample : K3903-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18107-NYCT-AVE-Z-COMP-1-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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...	2.22	16.9	ng	1057510	1	6.88	1249280	20.0
unknown6.65	6.65	65.2	ng	4070620	1	6.88	1249280	20.0
n-Hexadecanoic acid	11.93	8.2	ng	693191	4	11.40	1683430	20.0
4H-Cyclopenta[def...	12.02	2.6	ng	221898	4	11.40	1683430	20.0
Octadecanoic acid	12.71	2.5	ng	213731	4	11.40	1683430	20.0
1-Heneicosyl formate	13.94	5.8	ng	458399	5	14.04	1568720	20.0
Octadecane	14.82	2.6	ng	148910	6	15.52	1159180	20.0
Benzo[e]pyrene	15.39	4.6	ng	267113	6	15.52	1159180	20.0
Heneicosane	15.99	2.4	ng	140638	6	15.52	1159180	20.0