LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

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-BF083019.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	5.463	569	574	577	rBV	2256526	2010747	90.75%	5.910%
2	5.687	608	612	615	rBV	225724	209924	9.47%	0.617%
3	6.392	727	732	734	rBV	25088	24964	1.13%	0.073%
4	6.475	741	746	749	rBV	2363054	2205678	99.54%	6.483%
5	6.616	766	770	773	rBV	2579470	2215820	100.00%	6.513%
6	6.845	806	809	813	rBV	815212	631989	28.52%	1.858%
7	7.004	832	836	839	rBV	2108121	1658913	74.87%	4.876%
8	7.404	899	904	907	rBV	1590472	1378354	62.21%	4.051%
9	7.487	914	918	921	rBV	38859	32175	1.45%	0.095%
10	8.128	1023	1027	1030	rBV	1052889	853225	38.51%	2.508%
11	8.881	1152	1155	1160	rBV	32345	31900	1.44%	0.094%
12	9.204	1205	1210	1213	rBV	2414067	2145120	96.81%	6.305%
13	9.557	1264	1270	1273	rBV3	33835	42199	1.90%	0.124%
14	9.592	1273	1276	1279	rVB	592136	439013	19.81%	1.290%
15	9.880	1321	1325	1328	rBV	1173485	970094	43.78%	2.851%
16	9.910	1328	1330	1333	rVB	138607	99934	4.51%	0.294%
17	10.080	1356	1359	1363	rBV	60433	49109	2.22%	0.144%
18	10.286	1391	1394	1398	rBV	441219	352479	15.91%	1.036%
19	10.422	1414	1417	1421	rBV	97376	82789	3.74%	0.243%
20	10.663	1454	1458	1462	rBV	1585405	1362750	61.50%	4.005%
21	11.163	1540	1543	1548	rVB	40696	37070	1.67%	0.109%
22	11.222	1548	1553	1556	rBV3	75697	73897	3.33%	0.217%
23	11.257	1556	1559	1561	rVB	53588	41784	1.89%	0.123%
24	11.363	1573	1577	1579	rBV	1039801	1032797	46.61%	3.036%
25	11.386	1579	1581	1584	rVV	999058	776355	35.04%	2.282%
26	11.433	1586	1589	1592	rVB	218095	176422	7.96%	0.519%
27	11.469	1592	1595	1598	rVB	28164	28522	1.29%	0.084%
28	11.586	1610	1615	1618	rBV	154690	154632	6.98%	0.454%
29	11.716	1635	1637	1641	rVB	67462	49365	2.23%	0.145%
30	11.757	1641	1644	1648	rBV2	67244	62971	2.84%	0.185%
31	11.857	1658	1661	1663	rBV	73665	72996	3.29%	0.215%
32	11.886	1663	1666	1671	rVB	435742	359094	16.21%	1.055%
33	11.933	1671	1674	1677	rVB2	33007	32082	1.45%	0.094%
34	11.974	1677	1681	1683	rBV	153121	151141	6.82%	0.444%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.151	1707	1711	1713	rBV	66776	69473	3.14%	0.204%
36	12.174	1713	1715	1722	rVB	118999	105453	4.76%	0.310%
37	12.410	1751	1755	1757	rBV2	40338	47956	2.16%	0.141%
38	12.445	1759	1761	1766	rVB5	23950	28242	1.27%	0.083%
39	12.492	1766	1769	1774	rVB2	49733	58898	2.66%	0.173%
40	12.569	1778	1782	1786	rBV	1405265	1232579	55.63%	3.623%
41	12.669	1795	1799	1805	rBV2	192492	231152	10.43%	0.679%
42	12.721	1806	1808	1812	rVV	47122	45071	2.03%	0.132%
43	12.798	1815	1821	1824	rVV	1120345	1167390	52.68%	3.431%
44	12.845	1827	1829	1835	rVB2	50210	49681	2.24%	0.146%
45	12.916	1835	1841	1842	rBV3	67636	74600	3.37%	0.219%
46	12.939	1842	1845	1852	rVB	2071880	1904925	85.97%	5.599%
47	13.016	1852	1858	1861	rBV2	52044	98163	4.43%	0.289%
48	13.039	1861	1862	1865	rVB	33296	26078	1.18%	0.077%
49	13.080	1865	1869	1870	rBV2	38849	40257	1.82%	0.118%
50	13.098	1870	1872	1874	rVV2	50883	60766	2.74%	0.179%
51	13.121	1874	1876	1879	rVB	137390	128779	5.81%	0.379%
52	13.192	1884	1888	1890	rVV	104789	102611	4.63%	0.302%
53	13.227	1890	1894	1896	rVV2	89419	92122	4.16%	0.271%
54	13.251	1896	1898	1901	rVB	40314	39413	1.78%	0.116%
55	13.321	1906	1910	1913	rBV	185873	158834	7.17%	0.467%
56	13.351	1913	1915	1918	rVB2	41129	35357	1.60%	0.104%
57	13.421	1924	1927	1932	rVB2	71161	72748	3.28%	0.214%
58	13.627	1959	1962	1967	rVB	86444	102357	4.62%	0.301%
59	13.680	1967	1971	1975	rBV2	55048	89269	4.03%	0.262%
60	13.739	1977	1981	1984	rVV2	106333	145089	6.55%	0.426%
61	13.768	1984	1986	1988	rVV	86790	74835	3.38%	0.220%
62	13.792	1988	1990	1994	rVV2	80182	112114	5.06%	0.330%
63	13.833	1994	1997	2005	rVB	603621	620780	28.02%	1.825%
64	13.992	2015	2024	2026	rBV3	906857	1332137	60.12%	3.915%
65	14.015	2026	2028	2033	rVB	497057	422854	19.08%	1.243%
66	14.098	2039	2042	2045	rVB	81714	67562	3.05%	0.199%
67	14.163	2049	2053	2058	rVV2	61480	106043	4.79%	0.312%
68	14.204	2058	2060	2065	rVB2	66840	74770	3.37%	0.220%
69	14.374	2085	2089	2092	rVB	68334	77243	3.49%	0.227%
70	14.410	2092	2095	2098	rBV2	69583	62843	2.84%	0.185%
71	14.468	2101	2105	2108	rVV2	154509	179751	8.11%	0.528%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.498	2108	2110	2112	rVV3	58642	64851	2.93%	0.191%
73	14.521	2112	2114	2118	rVB3	65648	60101	2.71%	0.177%
74	14.674	2137	2140	2144	rBV2	37663	47170	2.13%	0.139%
75	14.768	2152	2156	2159	rBV3	75178	87186	3.93%	0.256%
76	14.845	2166	2169	2177	rVB2	75770	102129	4.61%	0.300%
77	15.021	2194	2199	2202	rBV	490652	705477	31.84%	2.074%
78	15.104	2209	2213	2215	rBV2	116352	144178	6.51%	0.424%
79	15.127	2215	2217	2223	rVB	112463	106560	4.81%	0.313%
80	15.215	2229	2232	2234	rBV3	30022	39723	1.79%	0.117%
81	15.321	2245	2250	2255	rVB	308243	395697	17.86%	1.163%
82	15.380	2255	2260	2266	rBV	364222	431675	19.48%	1.269%
83	15.445	2266	2271	2274	rBV	597877	772198	34.85%	2.270%
84	15.474	2274	2276	2282	rVB3	182103	239237	10.80%	0.703%
85	15.910	2347	2350	2354	rVB2	77565	100135	4.52%	0.294%
86	15.957	2354	2358	2362	rBV4	69405	113147	5.11%	0.333%
87	16.315	2417	2419	2428	rVB10	27870	62831	2.84%	0.185%
88	16.409	2431	2435	2440	rBV2	55461	103312	4.66%	0.304%
89	16.704	2477	2485	2486	rBV4	47679	101588	4.58%	0.299%
90	16.880	2510	2515	2523	rVB2	203695	396311	17.89%	1.165%
91	17.080	2541	2549	2559	rBV7	68995	261729	11.81%	0.769%
92	17.309	2581	2588	2601	rVB2	198991	503176	22.71%	1.479%

Sum of corrected areas: 34022910

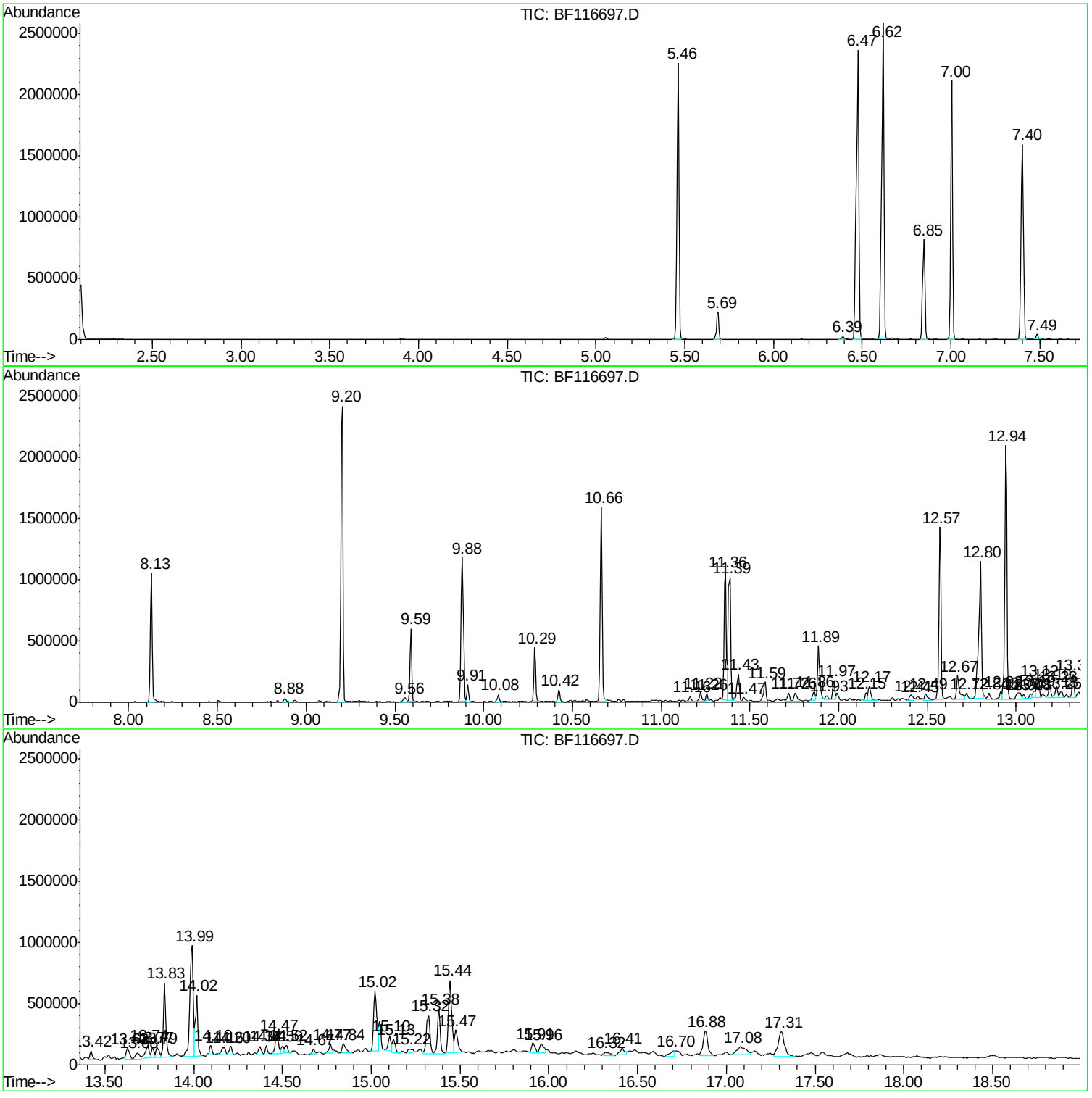
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

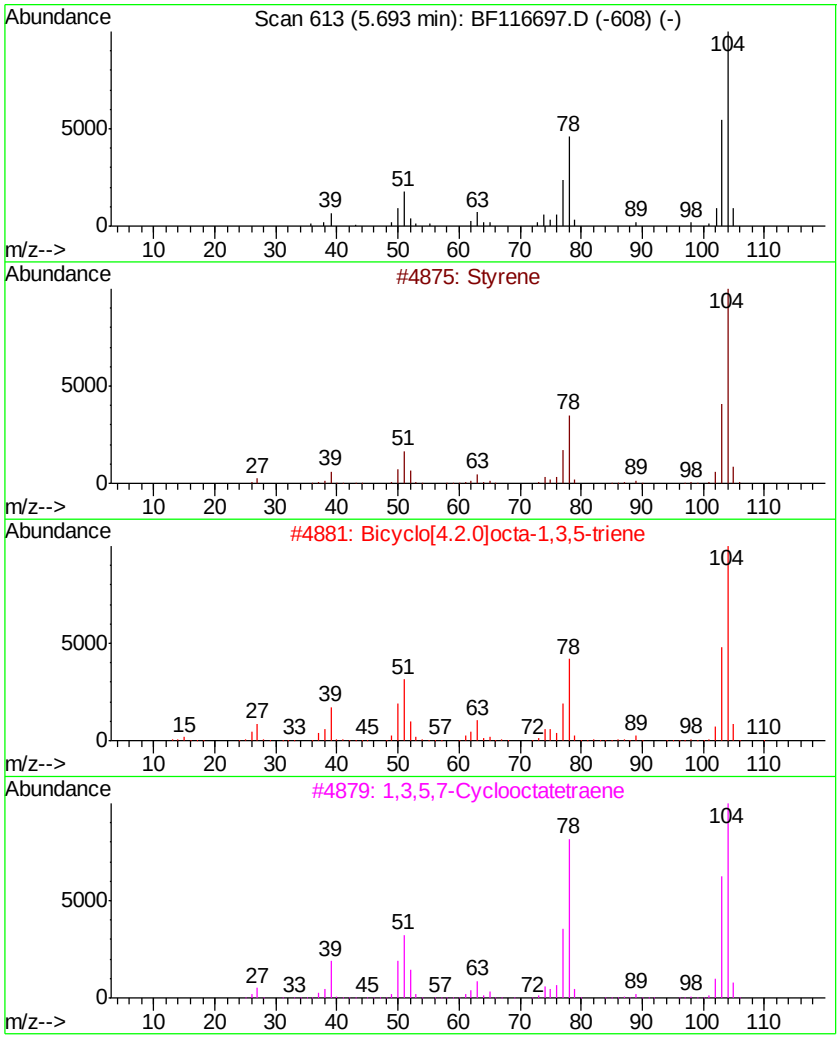
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

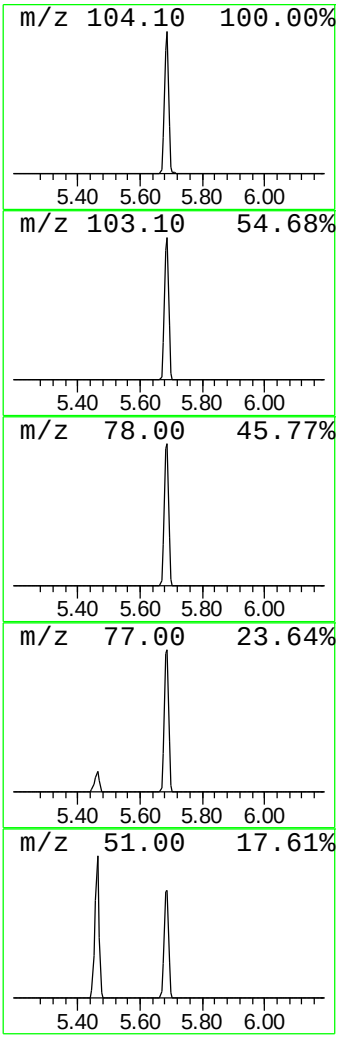
****

Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	6.64 ng	209924	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	97
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	94
3	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
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Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

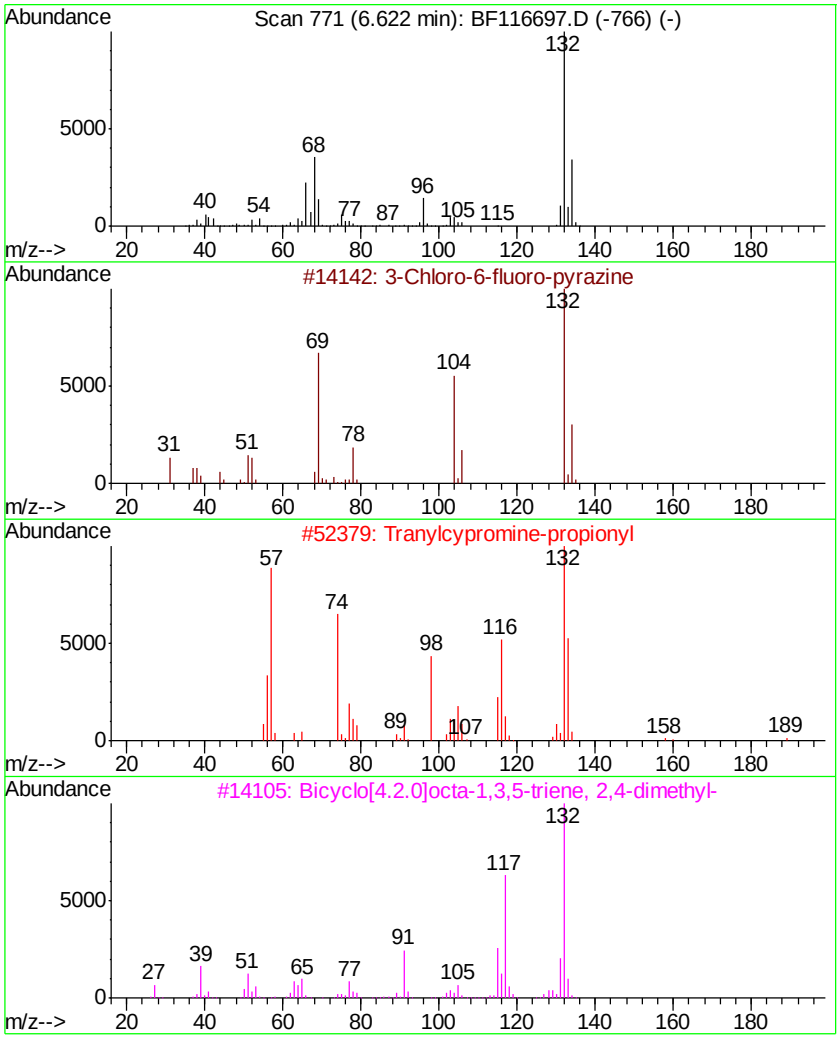
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

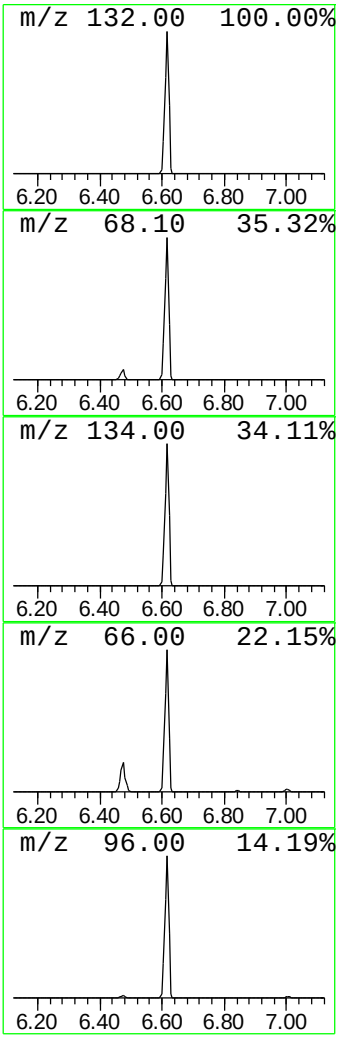
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	70.12 ng	2215820	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

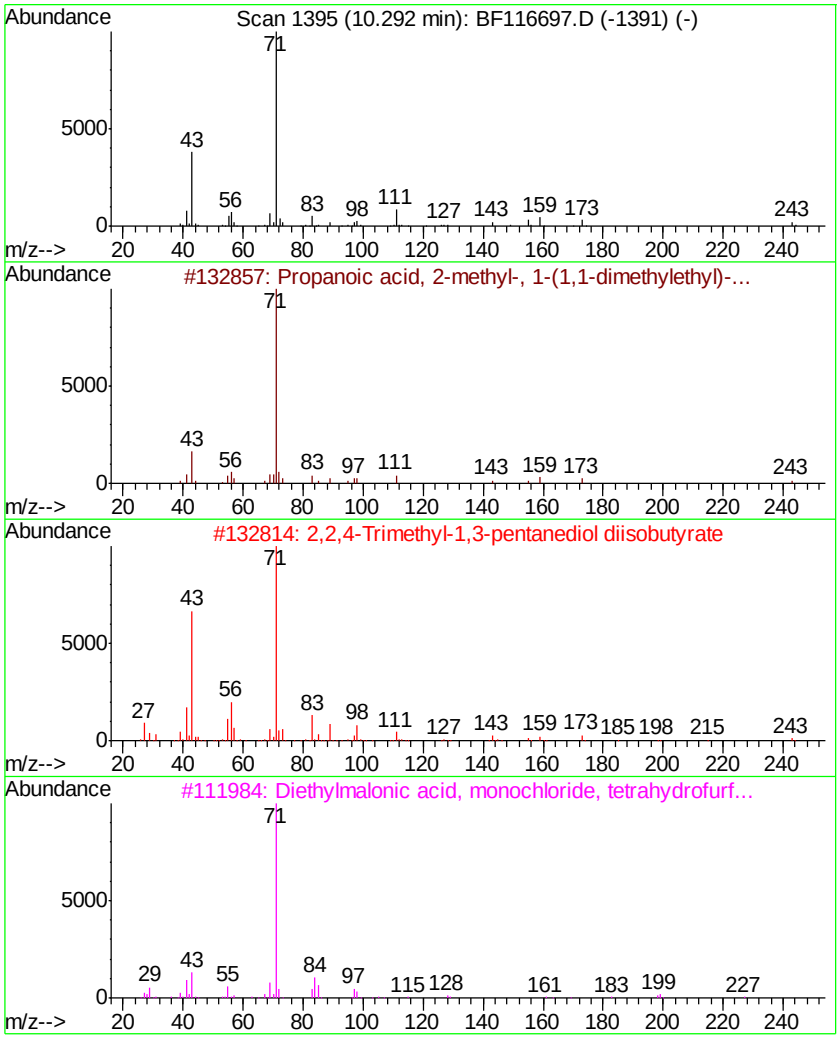
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

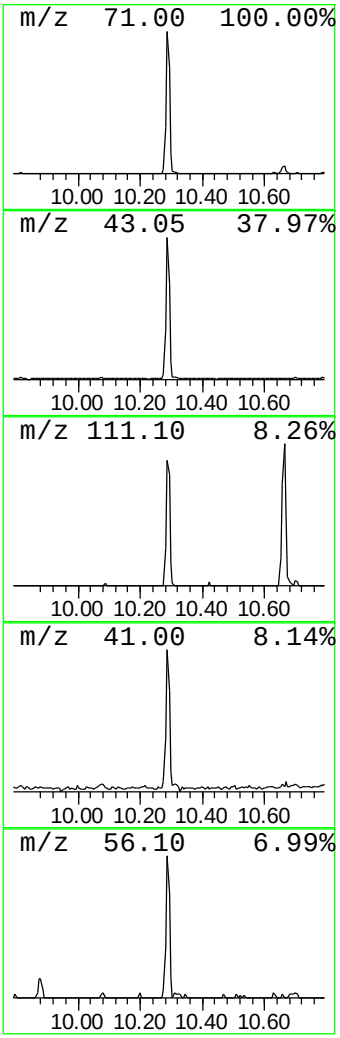
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	7.27 ng	352479	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	83
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	78
3	Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	50
4	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	50
5	Fumaric acid, nonyl tetrahydrofu...	326	C18H30O5	1000330-58-3	50





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Data File : BF116697.D
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Sample : K4645-01
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Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

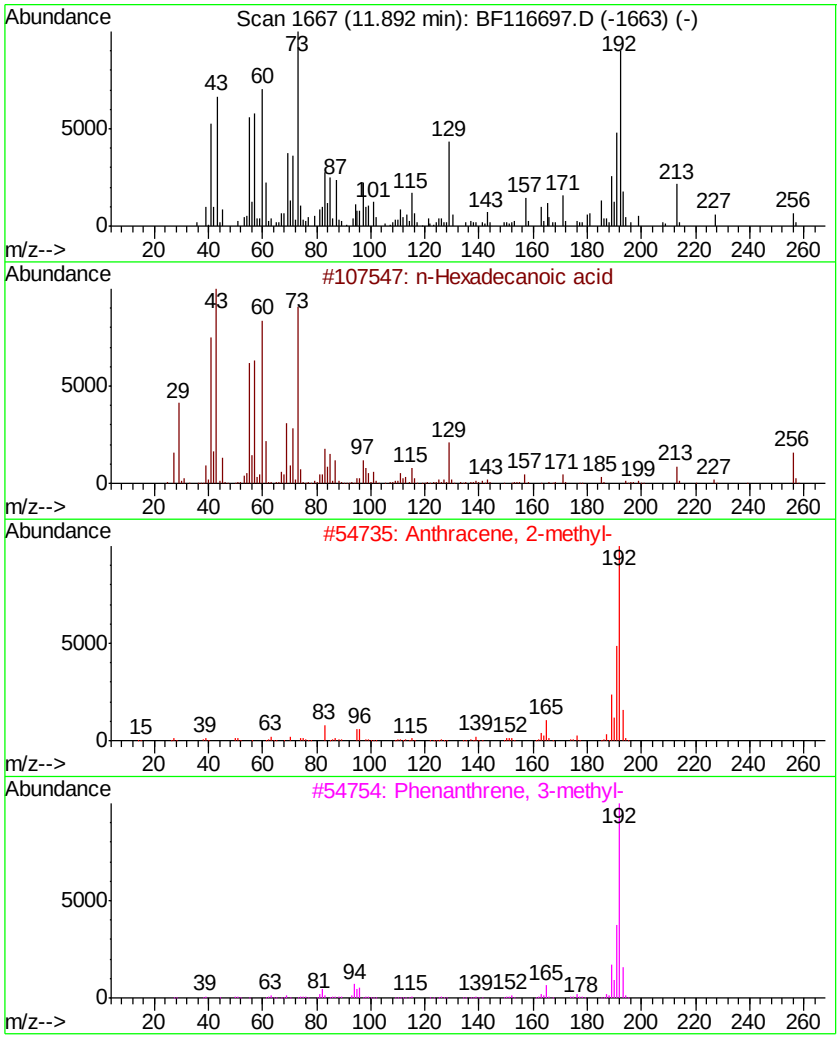
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

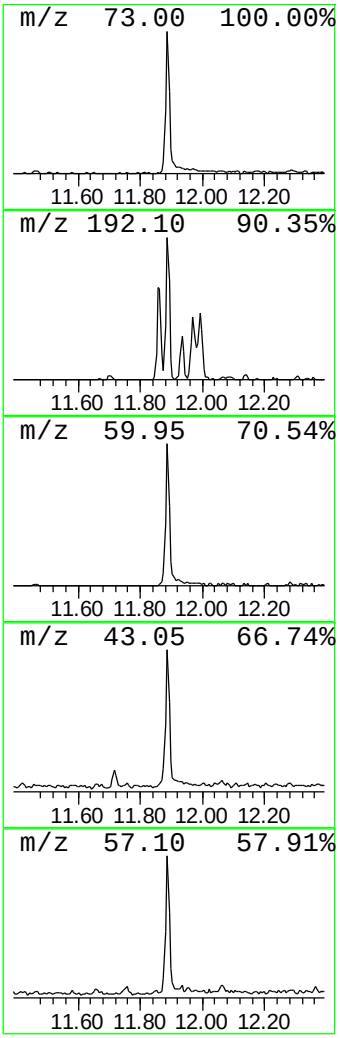
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.95 ng	359094	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

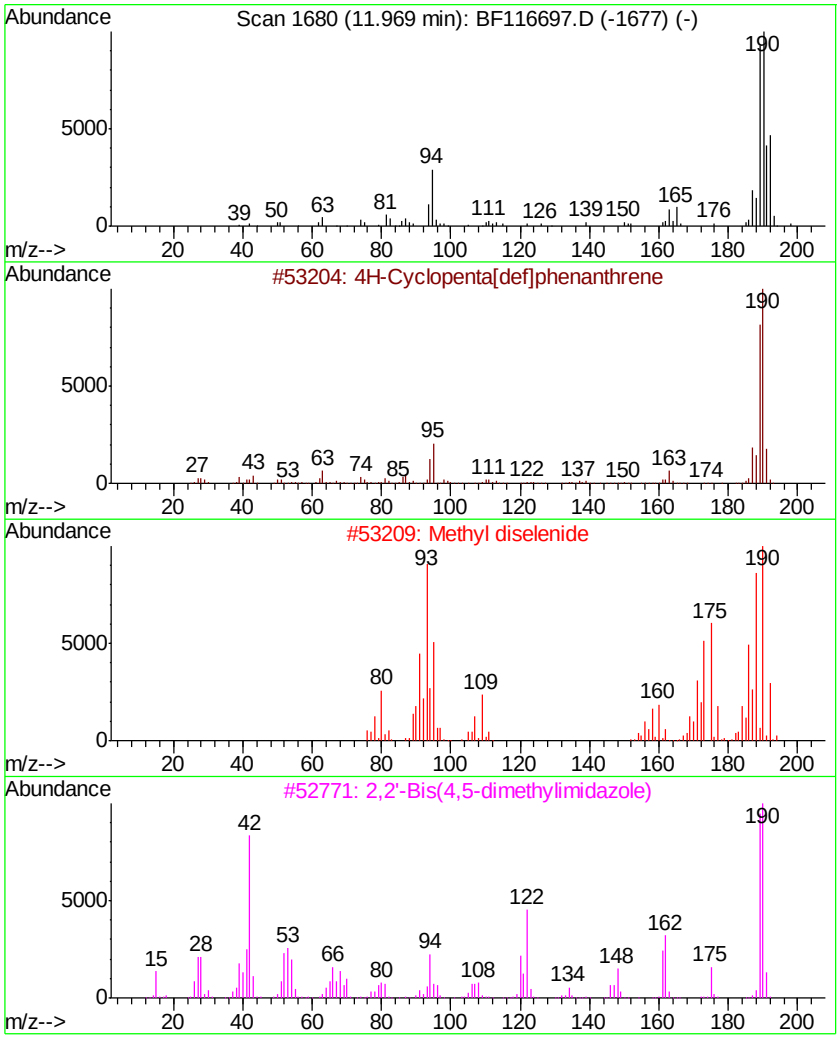
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

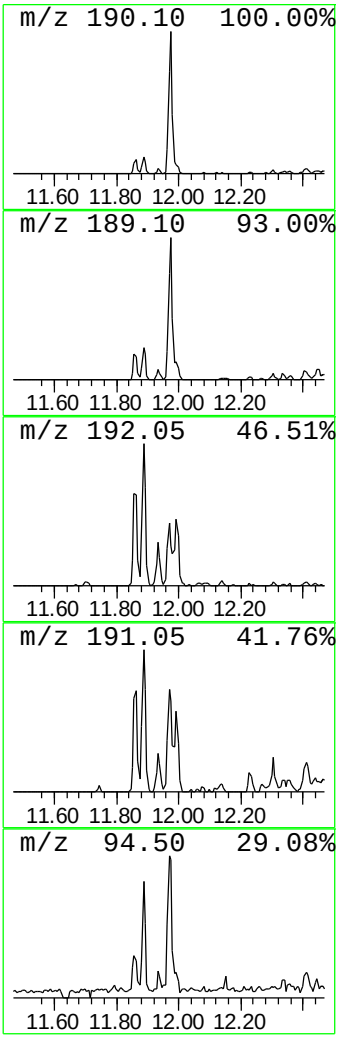
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.93 ng	151141	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
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	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

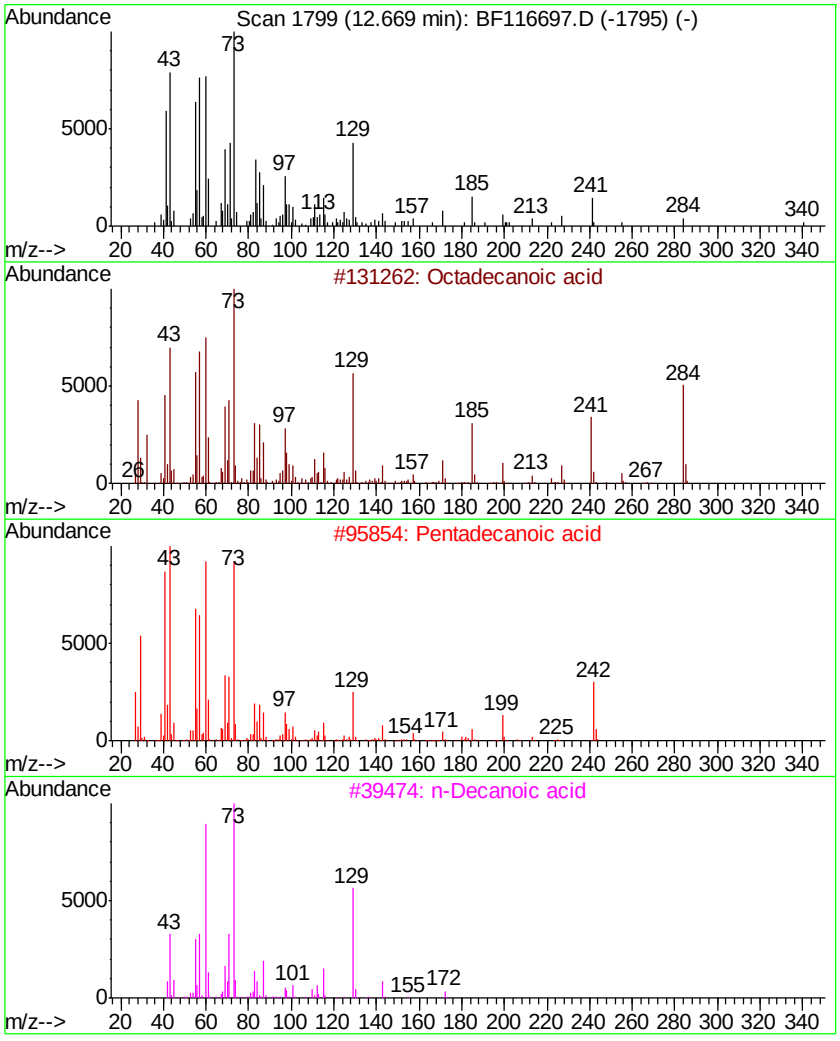
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

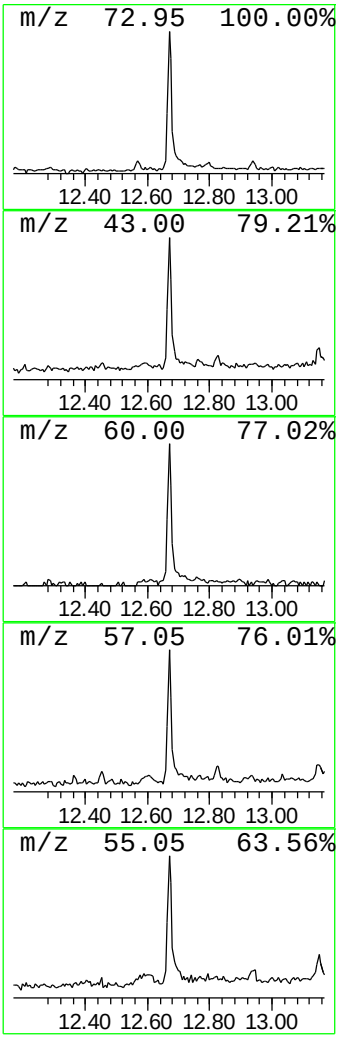
****

Peak Number 7 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	4.48 ng	231152	Phenanthrene-d10	11.36

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	n-Decanoic acid	172	C10H20O2	000334-48-5	58
4	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	20
5	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	20





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Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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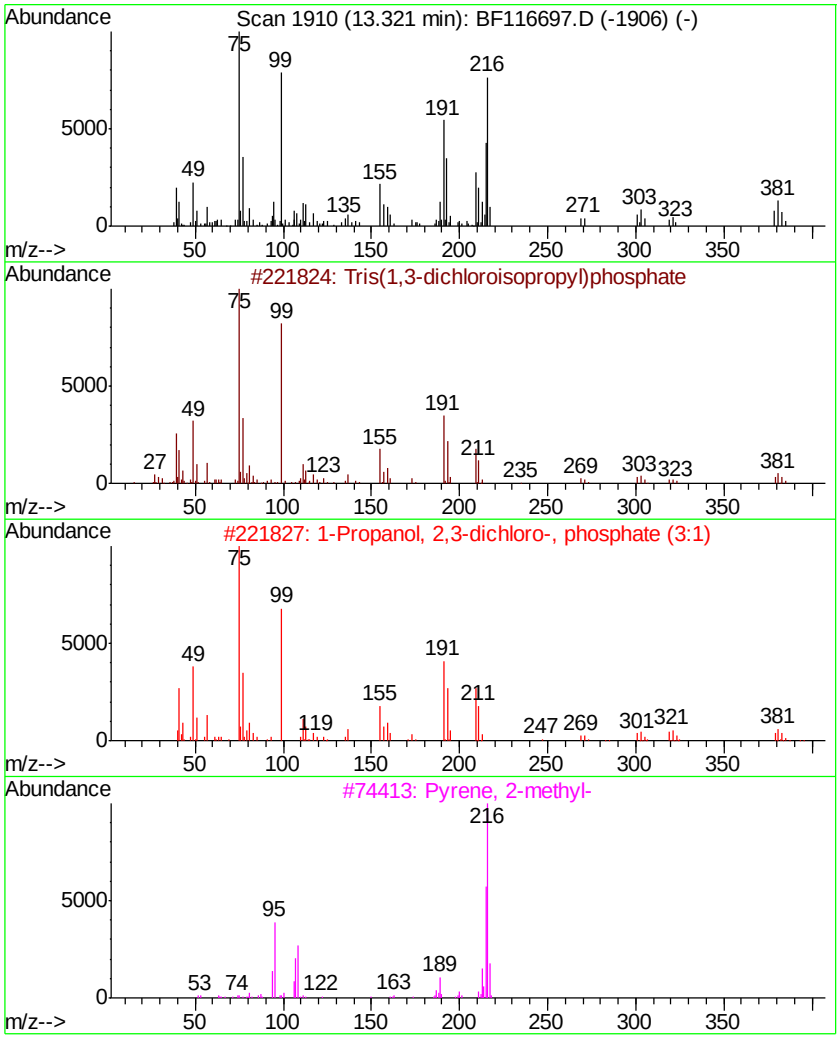
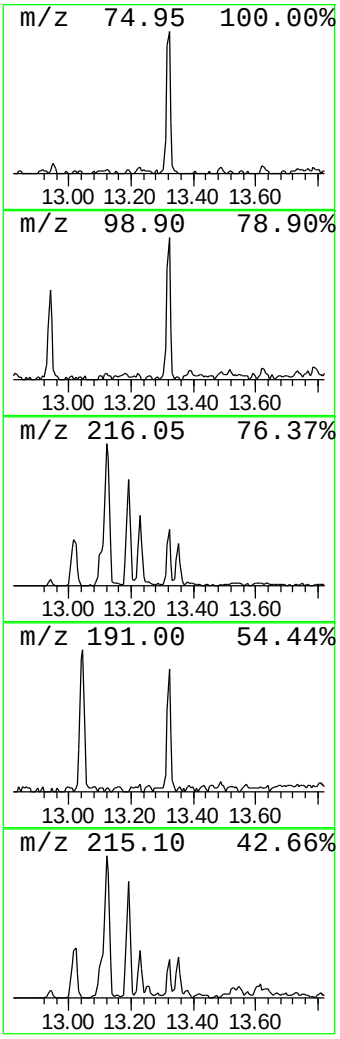
Peak Number 8 Tris(1,3-dichloroisopropyl)... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.38 ng	158834	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tris(1,3-dichloroisopropyl)phosp...	428	C9H15Cl6O4P	013674-87-8	70
2	1-Propanol, 2,3-dichloro-, phosp...	428	C9H15Cl6O4P	000078-43-3	46
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	35
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	35
5	1-Propene, 3,3-dichloro-	110	C3H4Cl2	000563-57-5	25





Library Search Compound Report

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Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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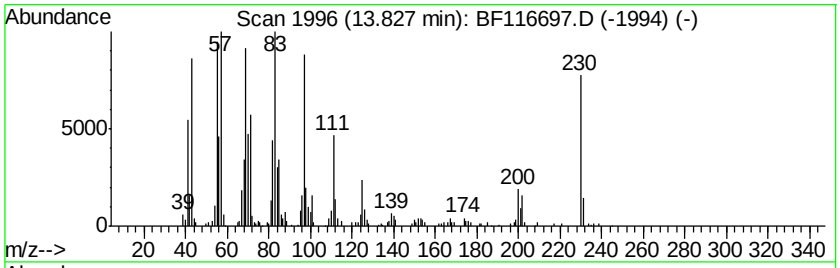
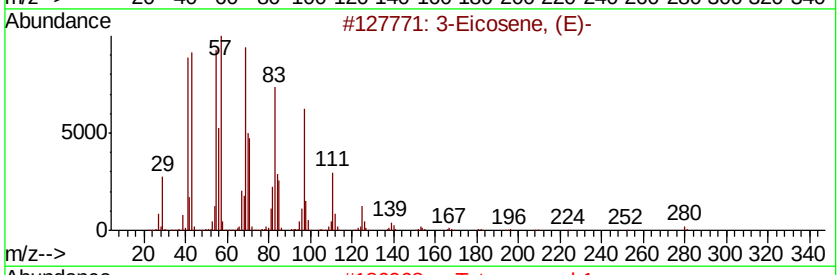
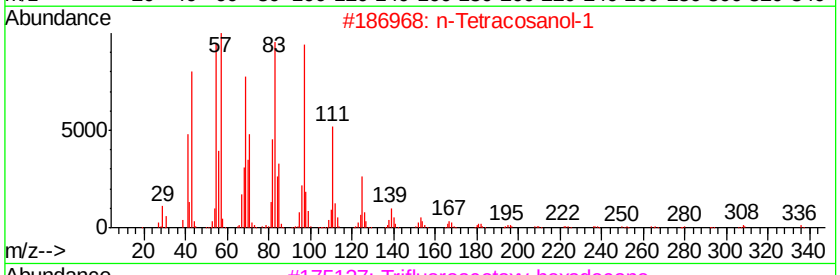
Peak Number 9 3-Eicosene, (E)- Concentration Rank 4

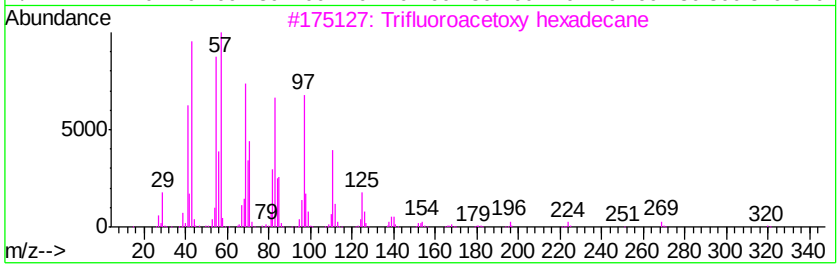
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	9.32 ng	620780	Chrysene-d12	13.99

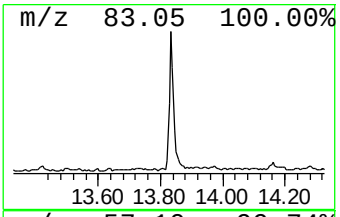
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	99
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	92
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	90
5	Behenic alcohol	326	C22H46O	000661-19-8	89

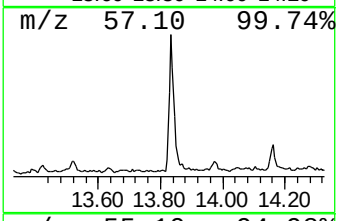


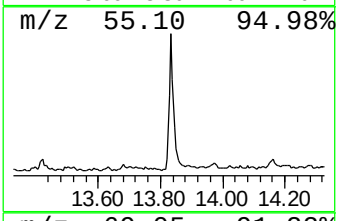


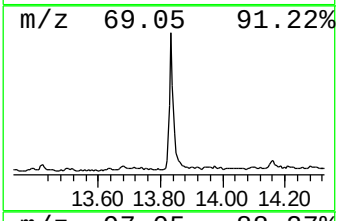


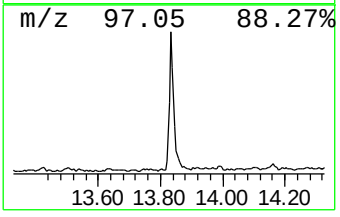












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Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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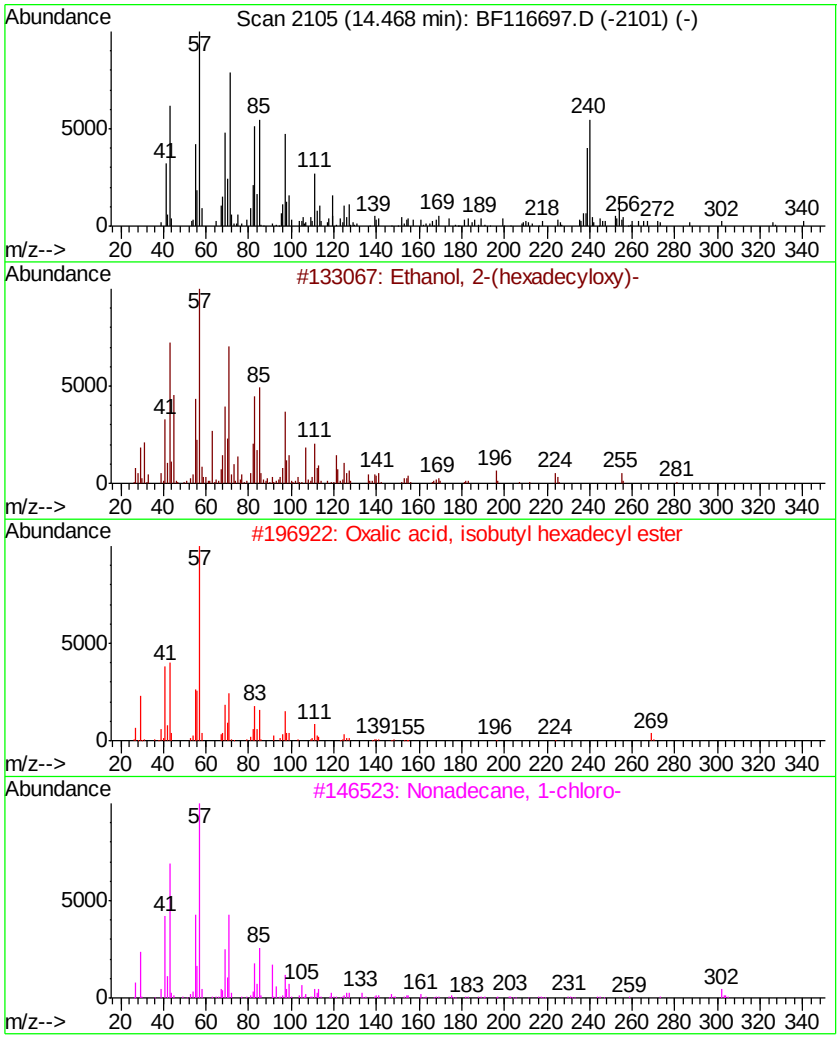
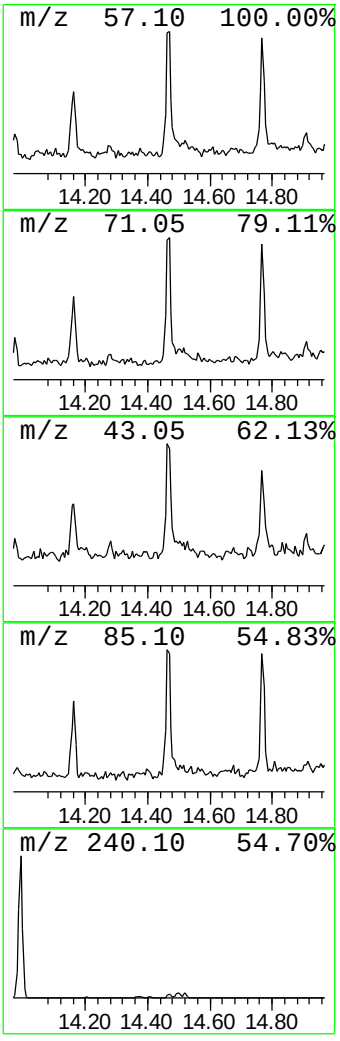
Peak Number 10 Ethanol, 2-(hexadecyloxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	2.70 ng	179751	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	58
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	58
3	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	50
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	46
5	Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	45





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Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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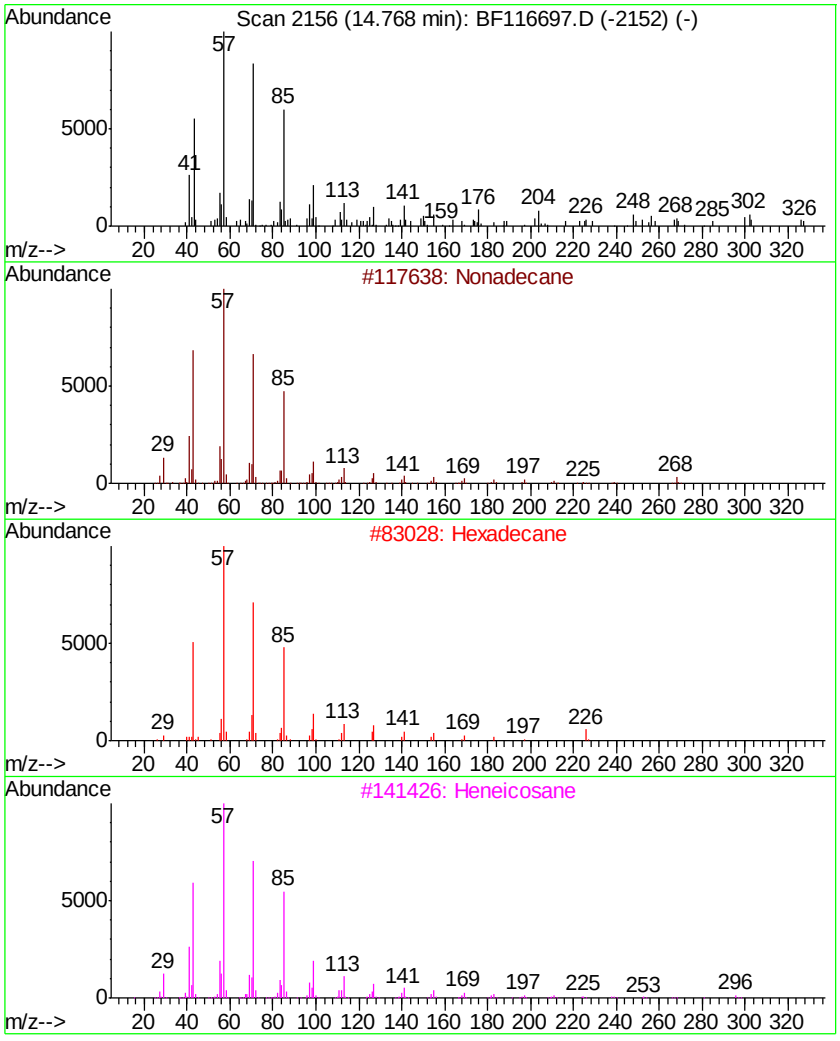
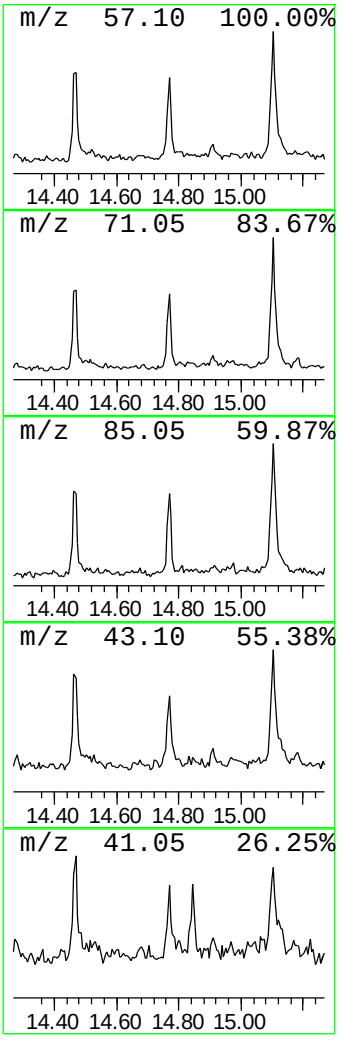
Peak Number 11 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.26 ng	87186	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Hexadecane	226	C16H34	000544-76-3	81
3	Heneicosane	296	C21H44	000629-94-7	74
4	Docosane	310	C22H46	000629-97-0	72
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	72





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Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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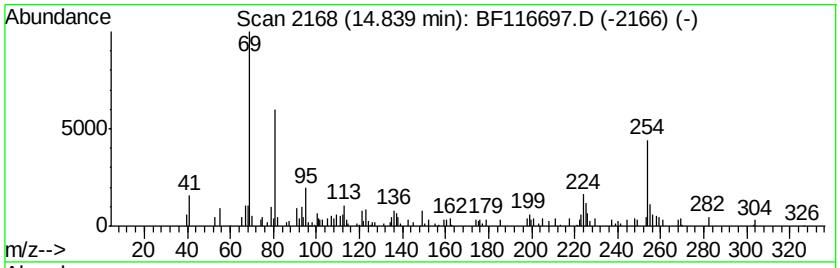
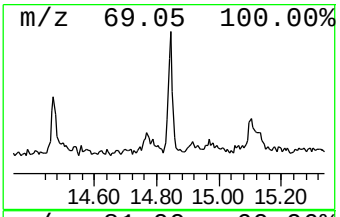
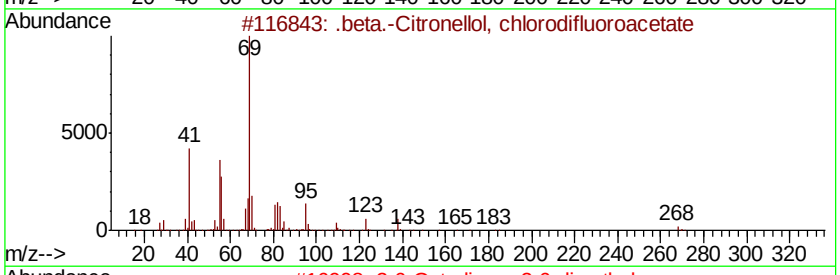
Peak Number 12 unknown14.84 Concentration Rank 16

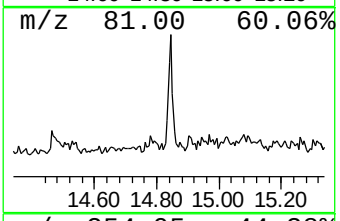
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.65 ng	102129	Perylene-d12	15.44

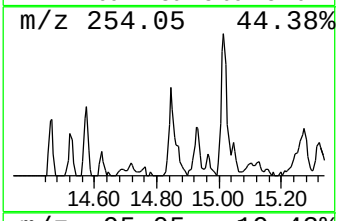
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Citronellol, chlorodifluo...	268	C12H19ClF2O2	1000376-20-8	43
2	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	38
3	9,10-Anthracenedione, 1-hydroxy-...	254	C15H10O4	024094-45-9	37
4	trans-Farnesol	222	C15H26O	000106-28-5	35
5	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	035665-90-8	35

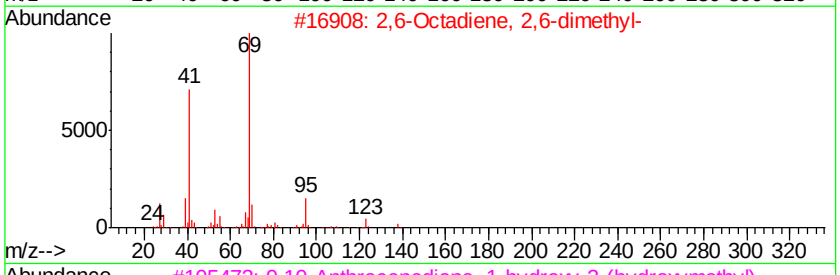


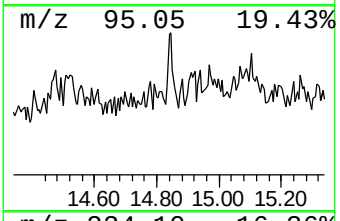


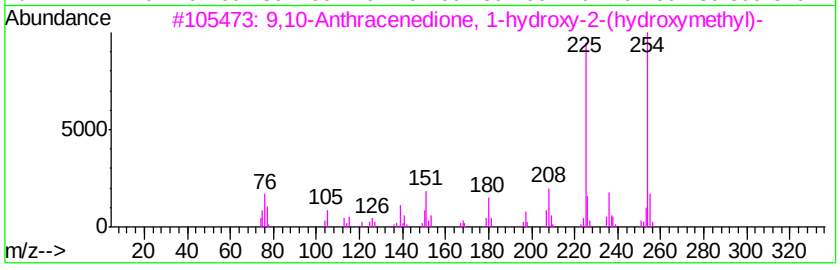


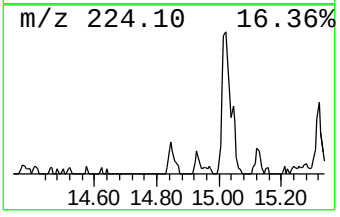












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Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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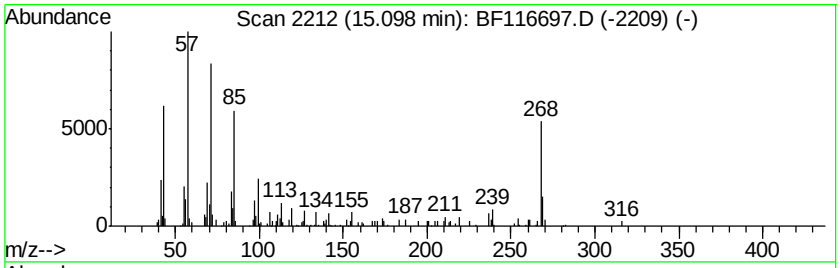
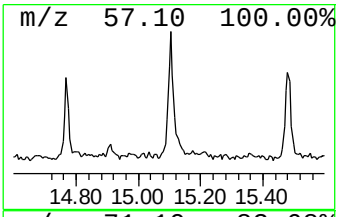
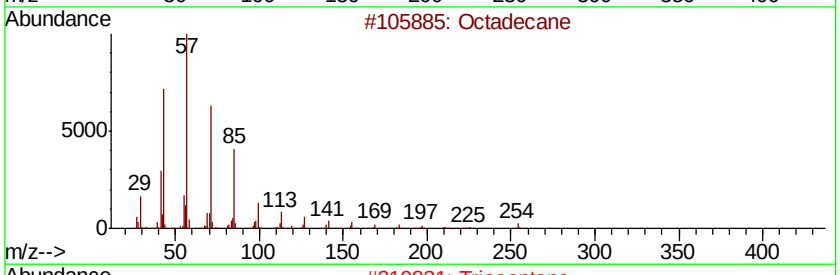
Peak Number 13 Octadecane Concentration Rank 10

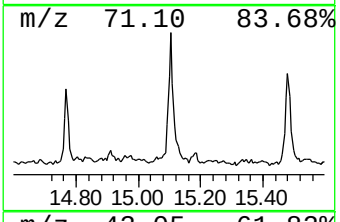
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	3.73 ng	144178	Perylene-d12	15.44

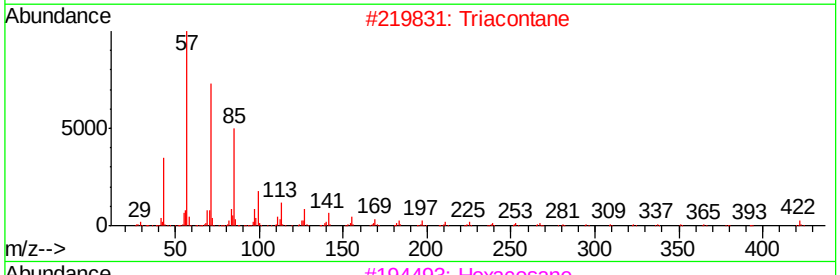
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Triacontane	422	C30H62	000638-68-6	83
3	Hexacosane	366	C26H54	000630-01-3	81
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	76
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	74

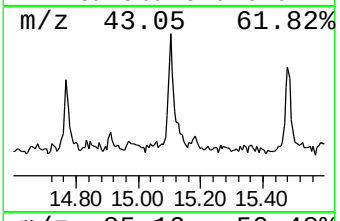


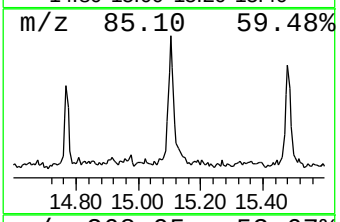


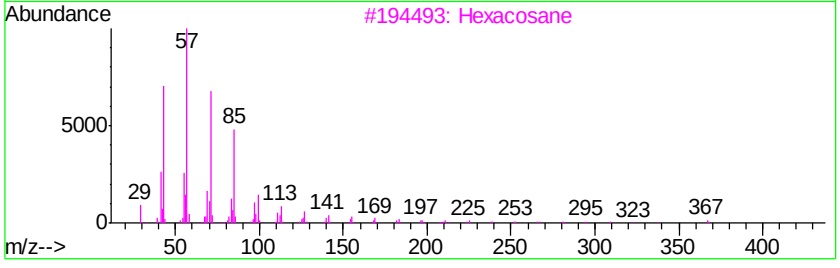


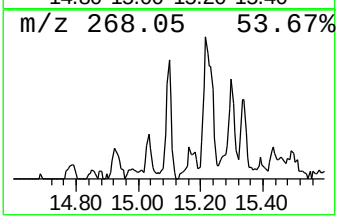












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Data File : BF116697.D
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Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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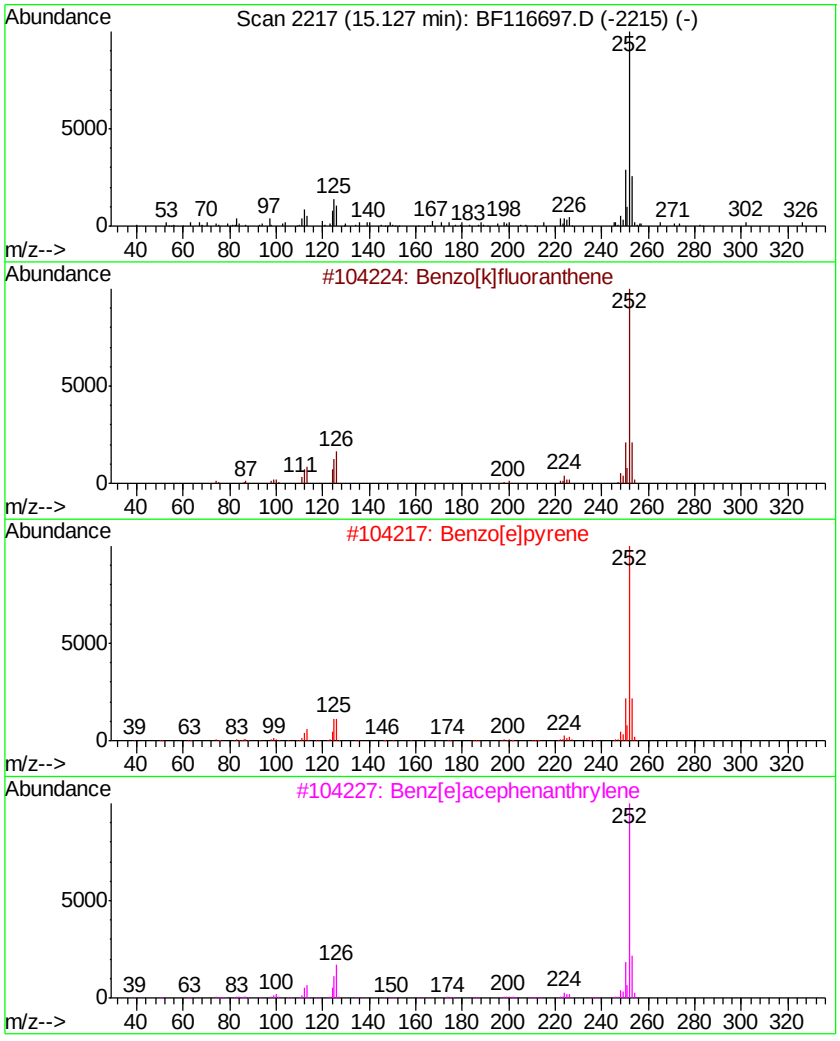
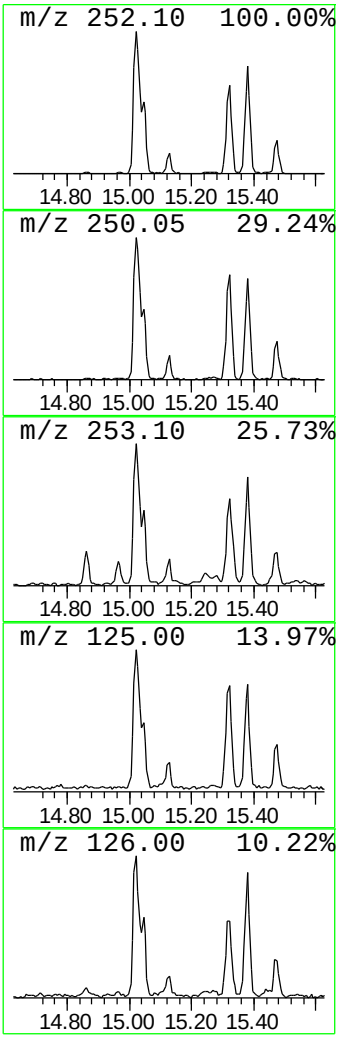
Peak Number 14 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.76 ng	106560	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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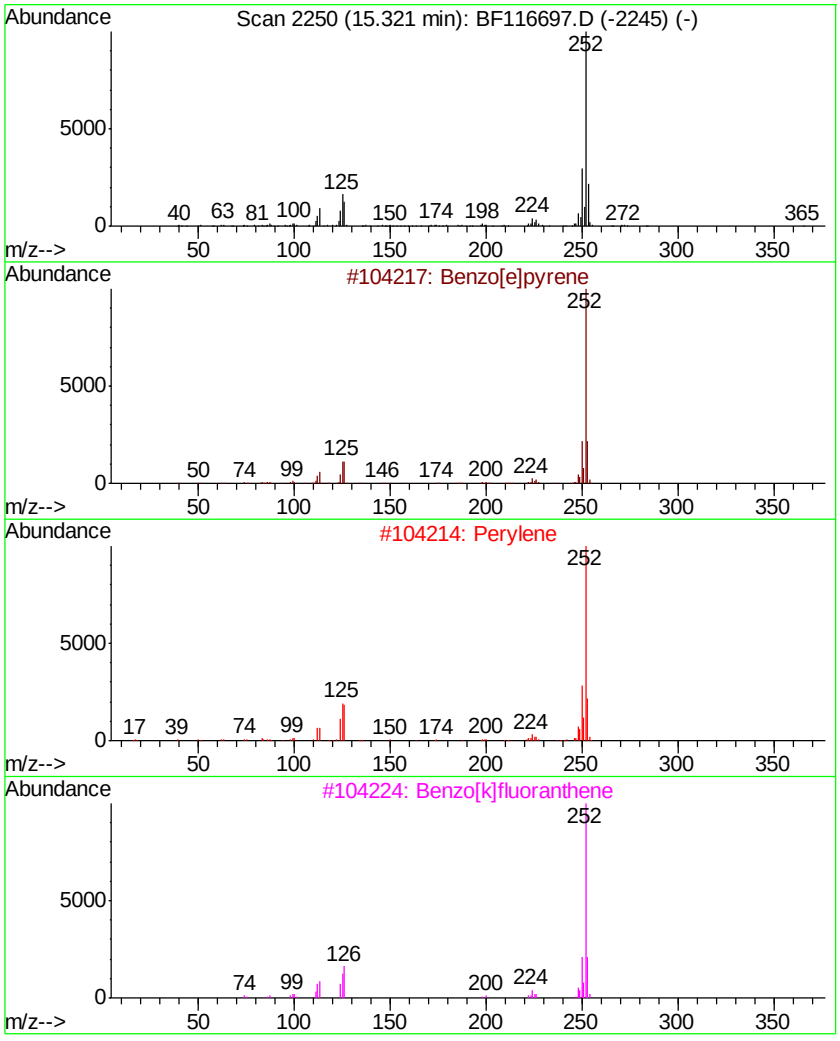
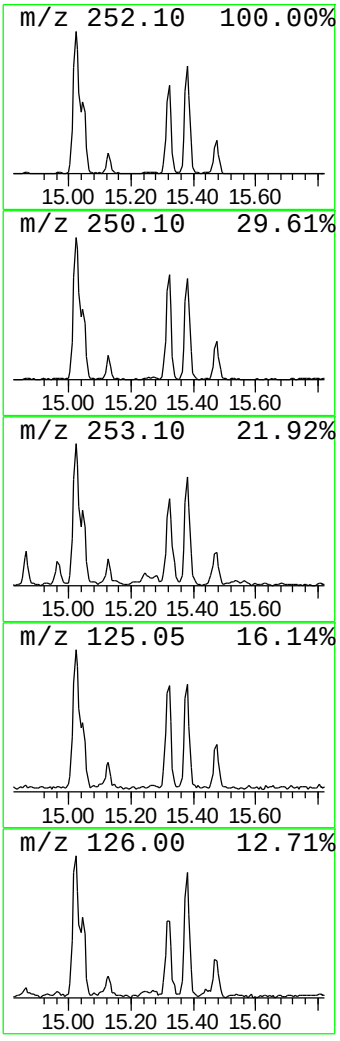
Peak Number 15 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	10.25 ng	395697	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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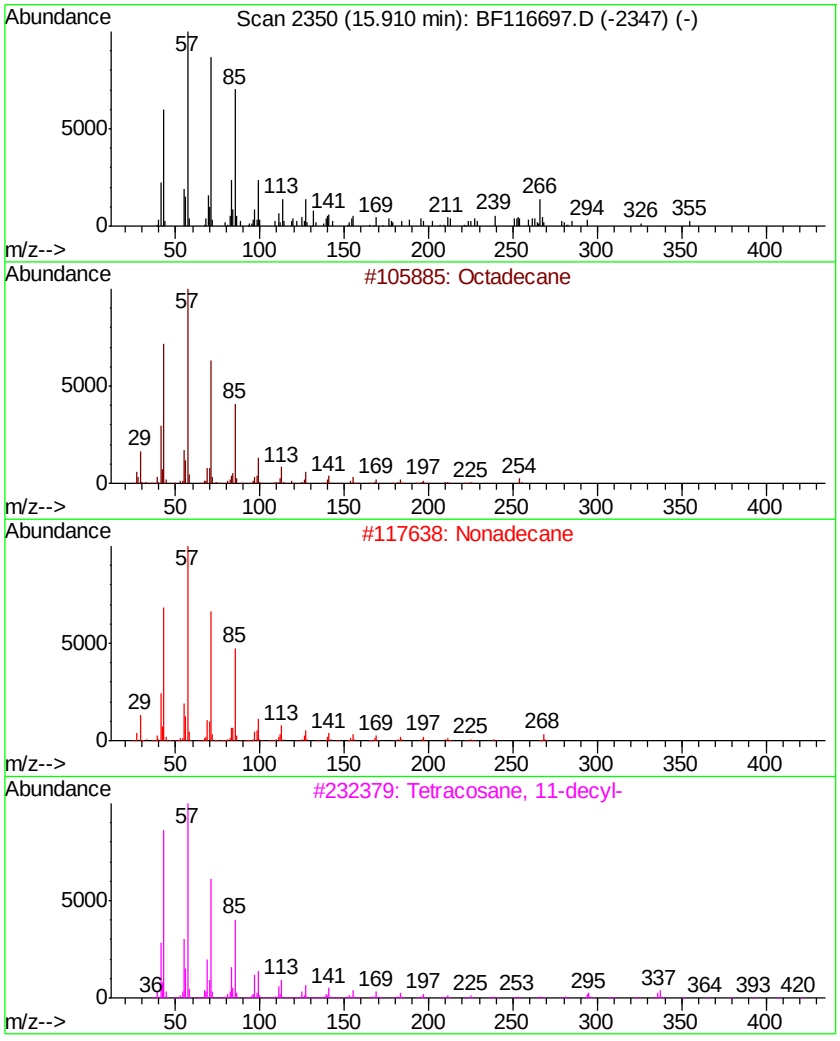
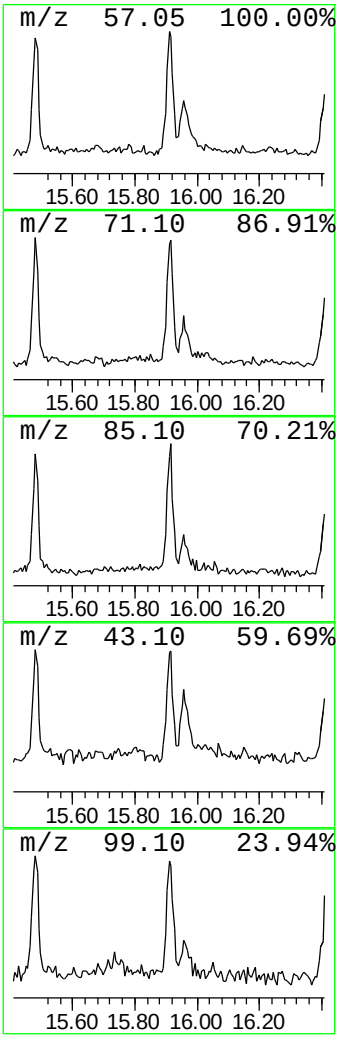
Peak Number 16 Tetracosane, 11-decyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.59 ng	100135	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Nonadecane	268	C19H40	000629-92-5	76
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	72
4	Docosane	310	C22H46	000629-97-0	72
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	72





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Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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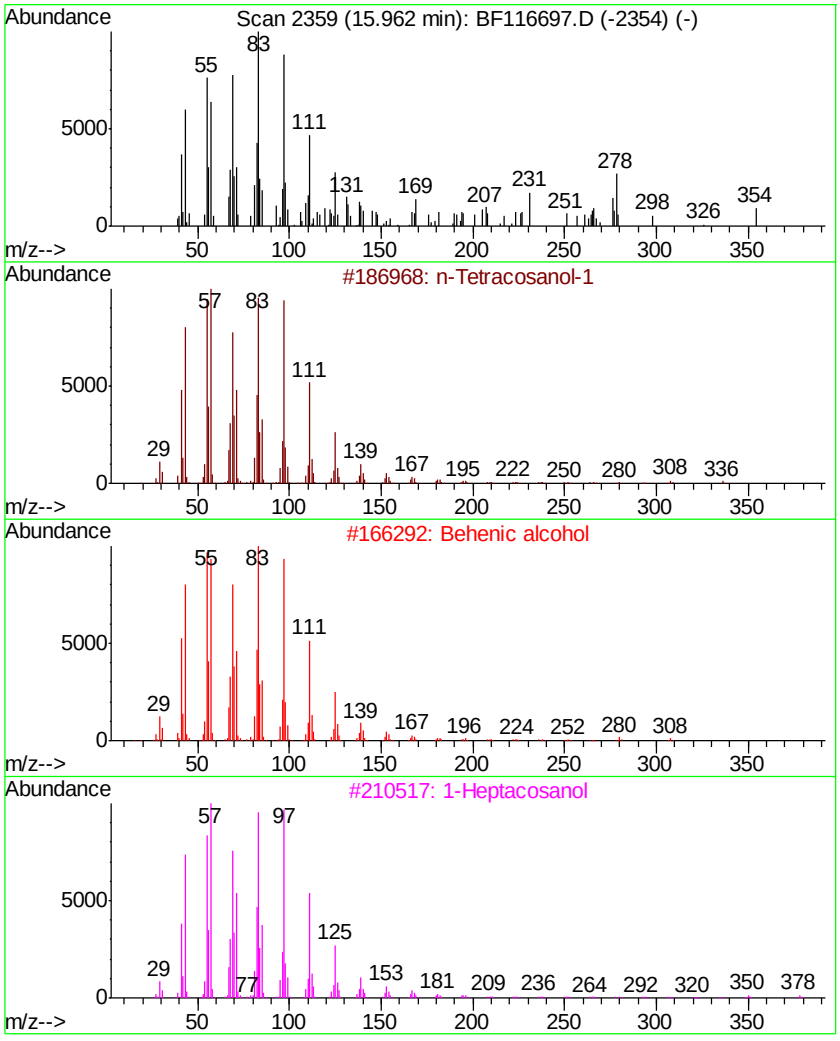
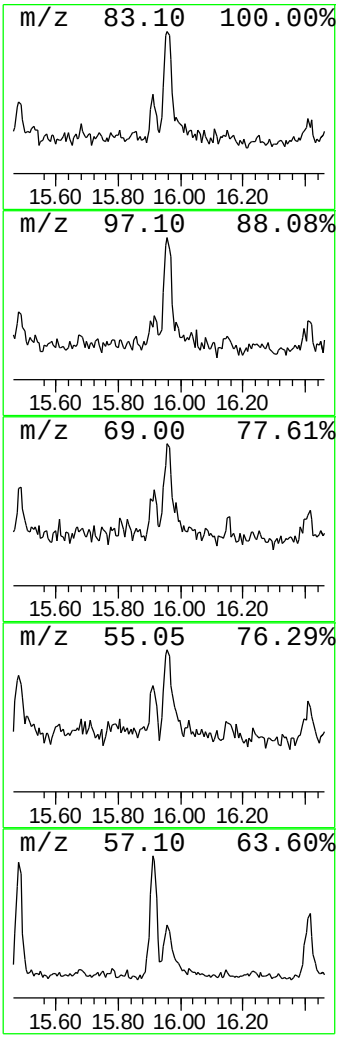
Peak Number 17 n-Tetracosanol-1 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.93 ng	113147	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	1-Heptacosanol	396	C27H56O	002004-39-9	93
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	87
5	1-Heneicosanol	312	C21H44O	015594-90-8	76





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Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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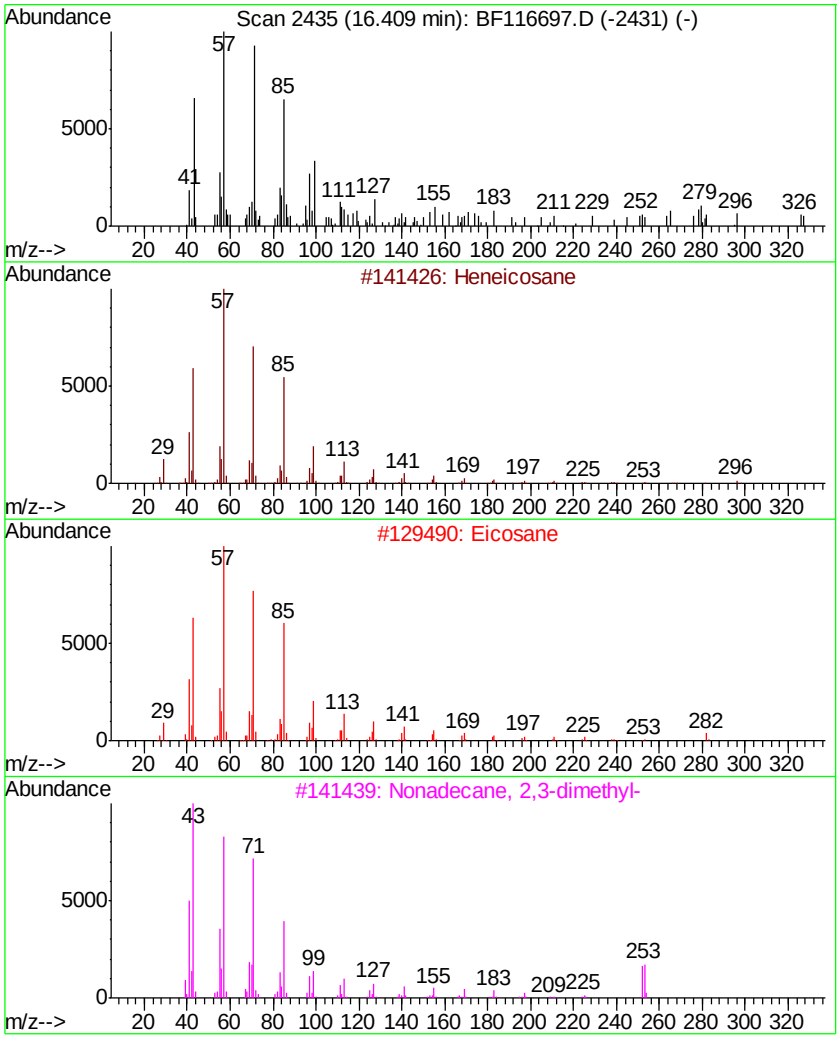
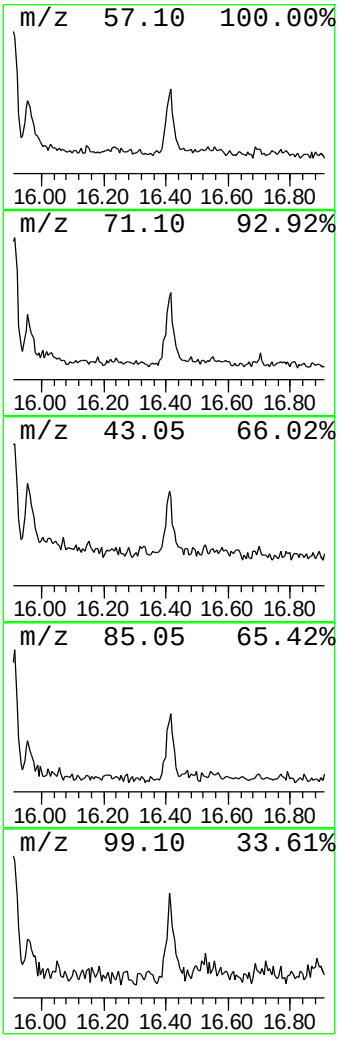
Peak Number 18 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.68 ng	103312	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Eicosane	282	C20H42	000112-95-8	76
3	Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70
5	Hentriacontane	437	C31H64	000630-04-6	64





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Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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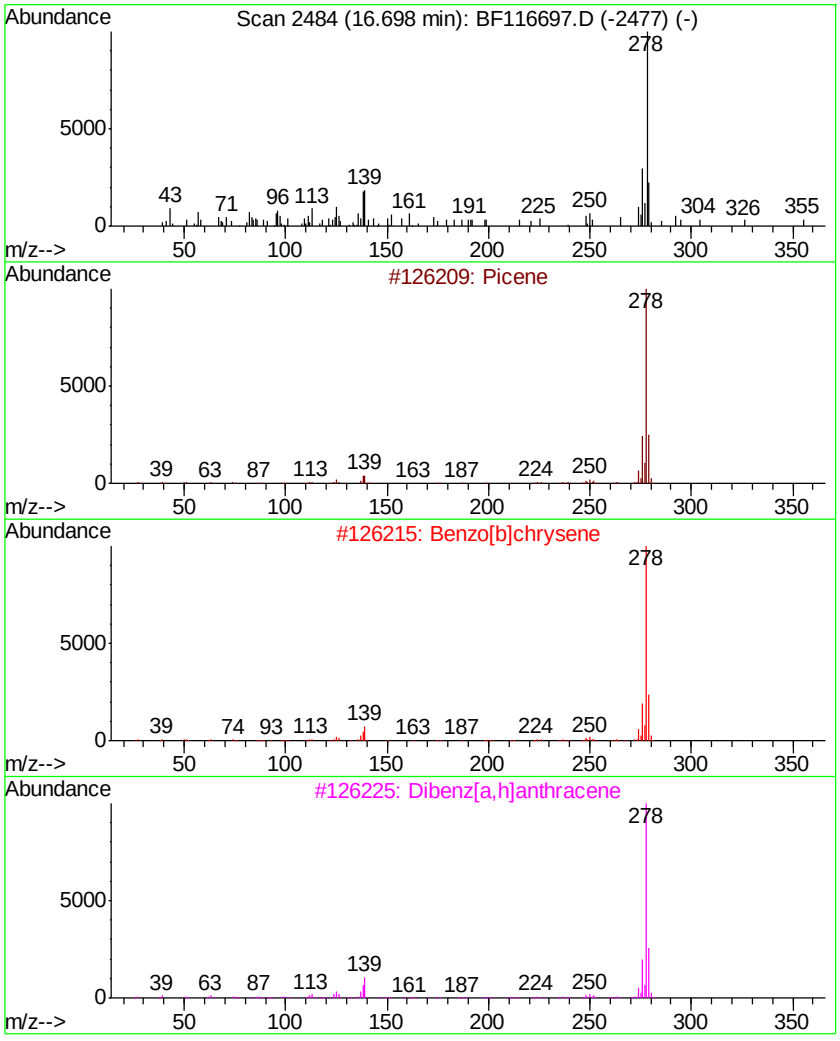
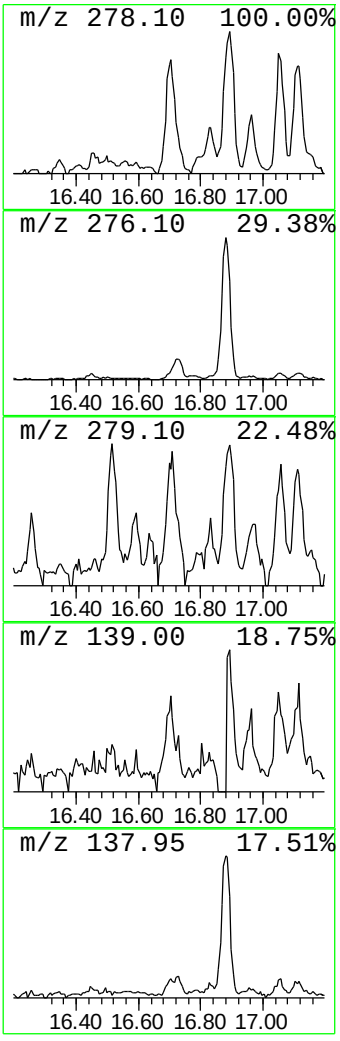
Peak Number 19 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.63 ng	101588	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	81
2	Benzo[b]chrysene	278	C22H14	000214-17-5	81
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
4	Pentacene	278	C22H14	000135-48-8	76
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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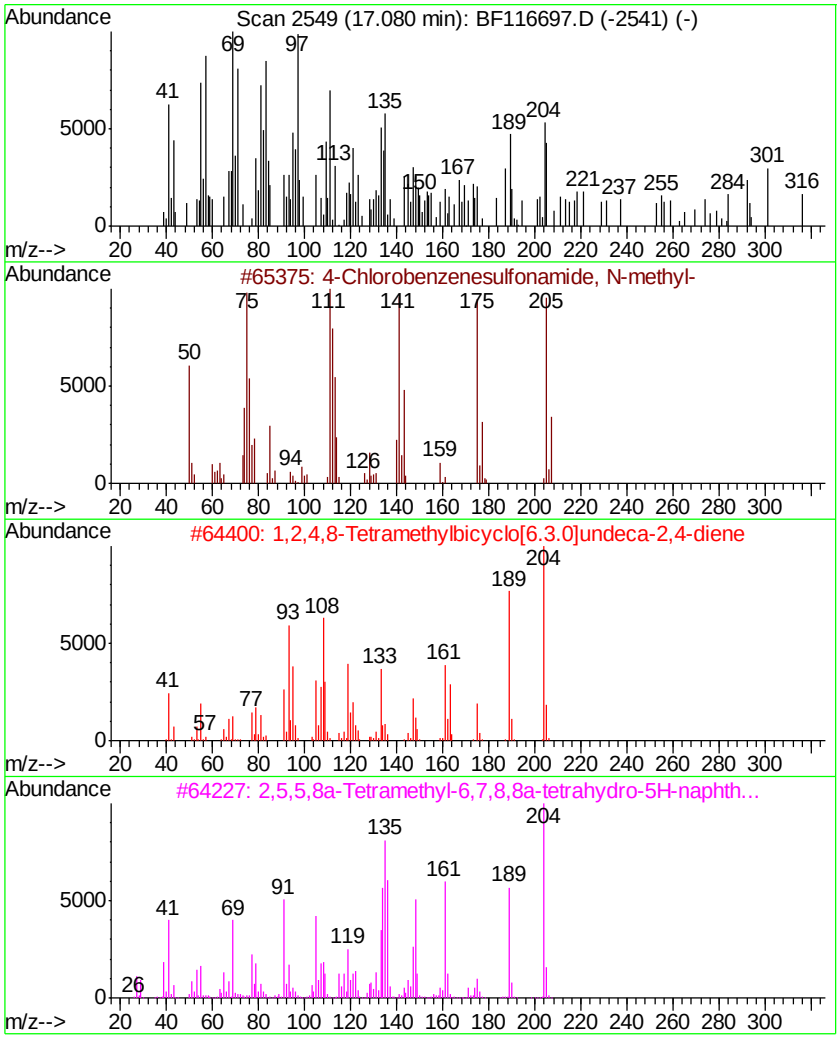
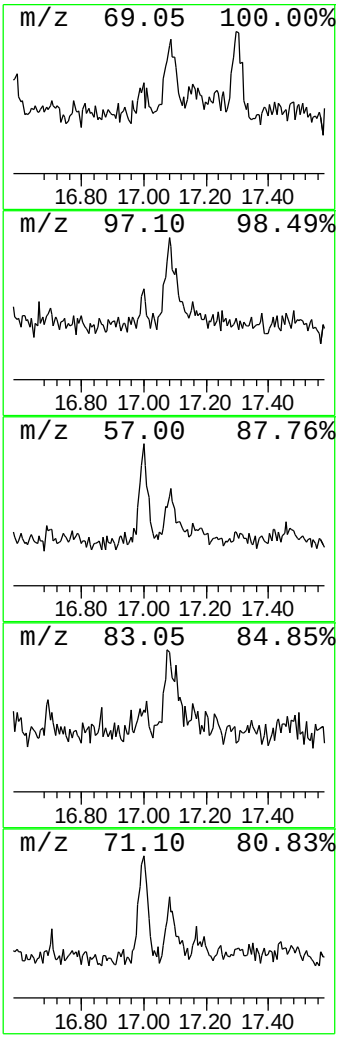
Peak Number 20 unknown17.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	6.78 ng	261729	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chlorobenzenesulfonamide, N-me...	205	C7H8ClNO2S	006333-79-5	25
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	25
3	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	25
4	17-Pentatriacontene	491	C35H70	006971-40-0	18
5	1-Heptacosanol	396	C27H56O	002004-39-9	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083119\
Data File : BF116697.D
Acq On : 31 Aug 2019 14:17
Operator : HP/JU
Sample : K4645-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S700A1-N-0.0-0.5-083019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
Bicyclo[4.2.0]oct...	5.69	6.6	ng	209924	1	6.85	631989	20.0
unknown6.62	6.62	70.1	ng	2215820	1	6.85	631989	20.0
Propanoic acid, 2...	10.29	7.3	ng	352479	3	9.88	970094	20.0
n-Hexadecanoic acid	11.89	7.0	ng	359094	4	11.36	1032800	20.0
4H-Cyclopenta[def...	11.97	2.9	ng	151141	4	11.36	1032800	20.0
Octadecanoic acid	12.67	4.5	ng	231152	4	11.36	1032800	20.0
Tris(1,3-dichloro...	13.32	2.4	ng	158834	5	13.99	1332140	20.0
3-Eicosene, (E)-	13.83	9.3	ng	620780	5	13.99	1332140	20.0
Ethanol, 2-(hexad...	14.47	2.7	ng	179751	5	13.99	1332140	20.0
Nonadecane	14.77	2.3	ng	87186	6	15.44	772198	20.0
unknown14.84	14.84	2.6	ng	102129	6	15.44	772198	20.0
Octadecane	15.10	3.7	ng	144178	6	15.44	772198	20.0
Benzo[e]pyrene	15.13	2.8	ng	106560	6	15.44	772198	20.0
Perylene	15.32	10.3	ng	395697	6	15.44	772198	20.0
Tetracosane, 11-d...	15.91	2.6	ng	100135	6	15.44	772198	20.0
n-Tetracosanol-1	15.96	2.9	ng	113147	6	15.44	772198	20.0
Heneicosane	16.41	2.7	ng	103312	6	15.44	772198	20.0
Picene	16.70	2.6	ng	101588	6	15.44	772198	20.0
unknown17.08	17.08	6.8	ng	261729	6	15.44	772198	20.0