LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

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-BF020320.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	2.157	8	12	19	rVB	63784	93837	1.53%	0.163%
2	5.022	496	499	507	rVB	81287	109924	1.80%	0.192%
3	5.434	564	569	572	rBV	4322786	4056426	66.28%	7.067%
4	6.445	736	741	752	rBV	4065577	4164546	68.05%	7.256%
5	6.810	800	803	807	rBV	1468550	1285728	21.01%	2.240%
6	6.969	826	830	834	rBV	4210269	3754847	61.36%	6.542%
7	7.375	893	899	902	rBV	2766599	2803616	45.81%	4.885%
8	7.416	903	906	910	rVB	271671	216008	3.53%	0.376%
9	8.092	1017	1021	1025	rBV	1835003	1591663	26.01%	2.773%
10	9.169	1199	1204	1208	rBV	5766500	5527532	90.32%	9.630%
11	9.563	1267	1271	1279	rVB	359649	353492	5.78%	0.616%
12	9.769	1301	1306	1311	rVB	119148	122471	2.00%	0.213%
13	9.845	1315	1319	1323	rVV	2268145	2112673	34.52%	3.681%
14	9.880	1323	1325	1334	rVB	90999	96886	1.58%	0.169%
15	10.633	1449	1453	1467	rBV	4188856	4195655	68.56%	7.310%
16	11.333	1567	1572	1574	rBV	2368224	2393024	39.10%	4.169%
17	11.351	1574	1575	1579	rVV	891874	681496	11.14%	1.187%
18	11.404	1579	1584	1587	rVB	233830	229949	3.76%	0.401%
19	11.563	1605	1611	1613	rBV3	69655	96234	1.57%	0.168%
20	11.827	1653	1656	1659	rBV2	134662	151193	2.47%	0.263%
21	11.863	1659	1662	1667	rVV2	983475	969923	15.85%	1.690%
22	11.904	1667	1669	1672	rVV	112698	126919	2.07%	0.221%
23	11.945	1672	1676	1678	rVV	205063	247791	4.05%	0.432%
24	11.963	1678	1679	1684	rVB2	100862	97635	1.60%	0.170%
25	12.127	1702	1707	1709	rBV	99118	121045	1.98%	0.211%
26	12.274	1727	1732	1735	rBV2	62058	79838	1.30%	0.139%
27	12.380	1747	1750	1753	rBV	88440	90587	1.48%	0.158%
28	12.421	1753	1757	1762	rBV2	65076	83211	1.36%	0.145%
29	12.462	1762	1764	1769	rVB2	62771	75121	1.23%	0.131%
30	12.539	1773	1777	1780	rBV	1413635	1267762	20.72%	2.209%
31	12.645	1791	1795	1801	rBV3	216947	301874	4.93%	0.526%
32	12.768	1810	1816	1819	rBV	1257782	1282479	20.96%	2.234%
33	12.815	1822	1824	1830	rVB2	66892	85586	1.40%	0.149%
34	12.915	1837	1841	1844	rBV	6600654	6119847	100.00%	10.662%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.986	1848	1853	1857	rBV3	90649	151049	2.47%	0.263%
36	13.098	1869	1872	1875	rVB	188266	185784	3.04%	0.324%
37	13.162	1880	1883	1886	rVB	131575	118483	1.94%	0.206%
38	13.198	1886	1889	1892	rBV2	134638	145405	2.38%	0.253%
39	13.321	1908	1910	1915	rBV2	75706	79999	1.31%	0.139%
40	13.392	1920	1922	1928	rVB7	60628	80010	1.31%	0.139%
41	13.492	1934	1939	1942	rBV6	62993	108810	1.78%	0.190%
42	13.604	1955	1958	1963	rVB	72264	83658	1.37%	0.146%
43	13.715	1973	1977	1979	rBV3	80224	109697	1.79%	0.191%
44	13.809	1990	1993	2002	rVB2	985877	1241603	20.29%	2.163%
45	13.968	2014	2020	2022	rBV2	2118173	2647476	43.26%	4.613%
46	13.992	2022	2024	2030	rVB	552385	476316	7.78%	0.830%
47	14.068	2035	2037	2040	rVB	92083	80860	1.32%	0.141%
48	14.133	2046	2048	2054	rVB3	93943	137163	2.24%	0.239%
49	14.186	2054	2057	2060	rBV2	44162	64727	1.06%	0.113%
50	14.215	2060	2062	2066	rVB2	66383	70281	1.15%	0.122%
51	14.351	2082	2085	2088	rVB	108966	94843	1.55%	0.165%
52	14.445	2097	2101	2105	rBV4	212777	302368	4.94%	0.527%
53	14.739	2148	2151	2154	rBV	123633	129694	2.12%	0.226%
54	14.815	2161	2164	2167	rBV2	101053	107419	1.76%	0.187%
55	14.992	2190	2194	2197	rBV	475234	693181	11.33%	1.208%
56	15.074	2204	2208	2210	rBV	464797	506040	8.27%	0.882%
57	15.098	2210	2212	2219	rVB2	163339	201366	3.29%	0.351%
58	15.286	2241	2244	2251	rVB	267133	367352	6.00%	0.640%
59	15.351	2251	2255	2260	rVB	427903	541892	8.85%	0.944%
60	15.415	2261	2266	2269	rBV	1460355	1851118	30.25%	3.225%
61	15.445	2269	2271	2277	rVB2	233927	262604	4.29%	0.458%
62	15.874	2339	2344	2348	rBV	215962	347714	5.68%	0.606%
63	15.927	2349	2353	2368	rVB4	157876	421918	6.89%	0.735%
64	16.839	2503	2508	2517	rVB2	200961	424511	6.94%	0.740%
65	17.268	2577	2581	2592	rVB	172067	377430	6.17%	0.658%

Sum of corrected areas: 57397589

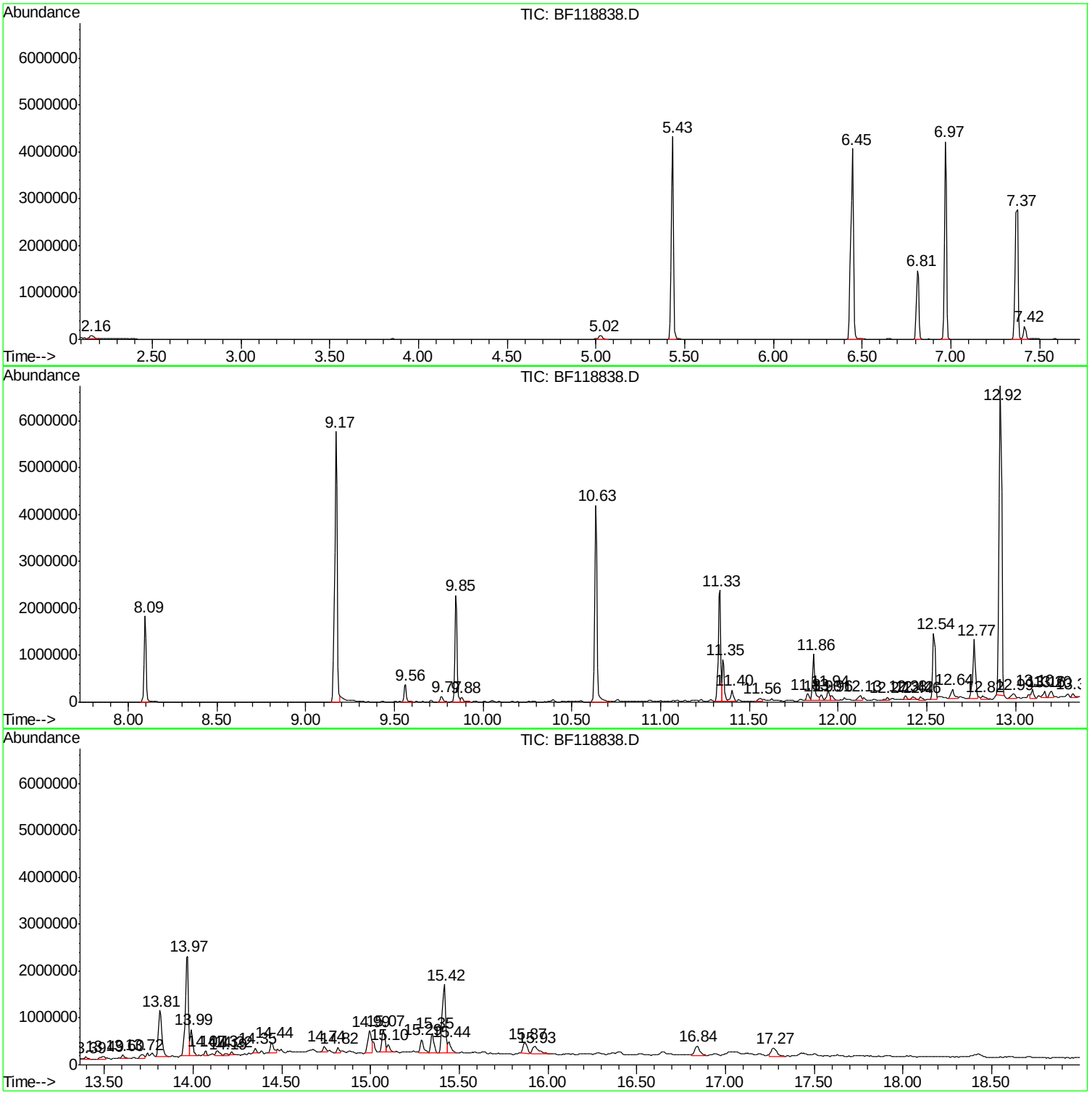
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

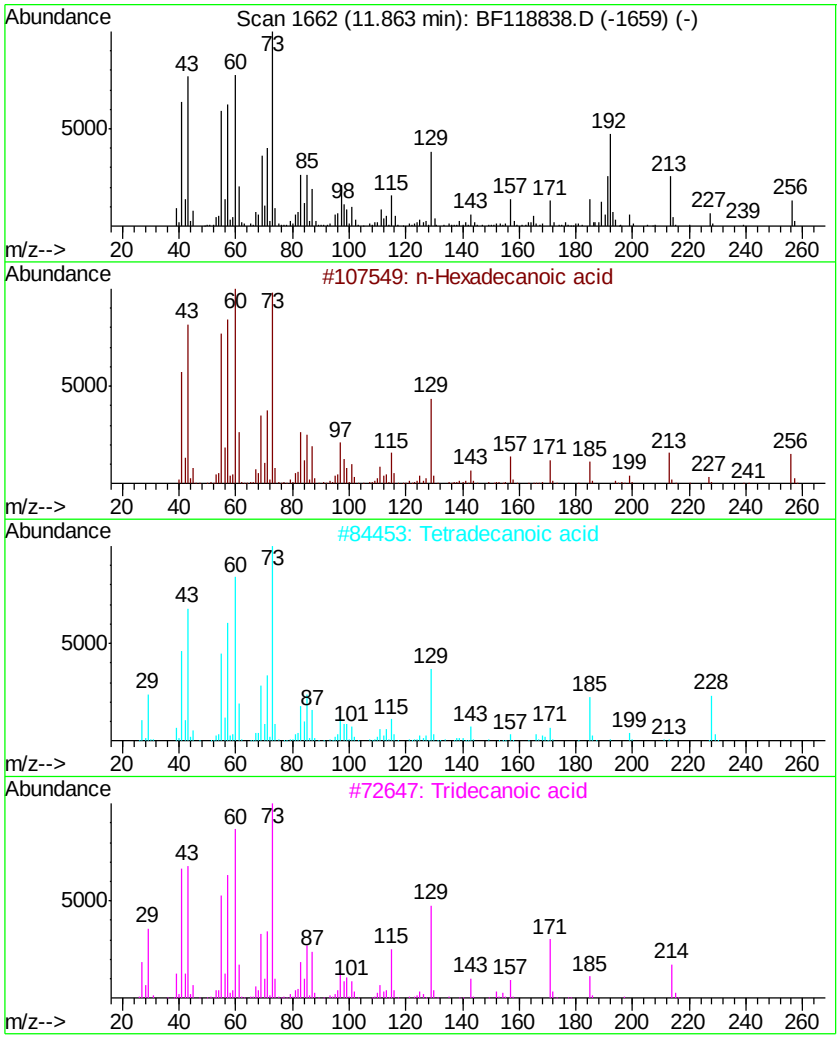
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

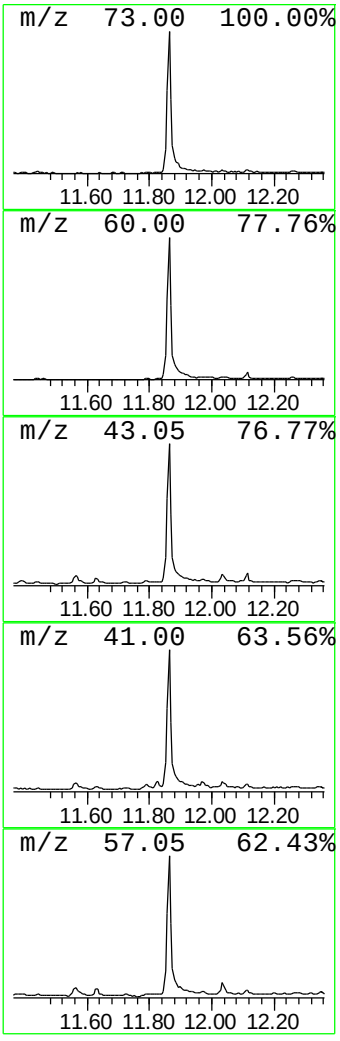
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	8.11 ng	969923	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	92
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

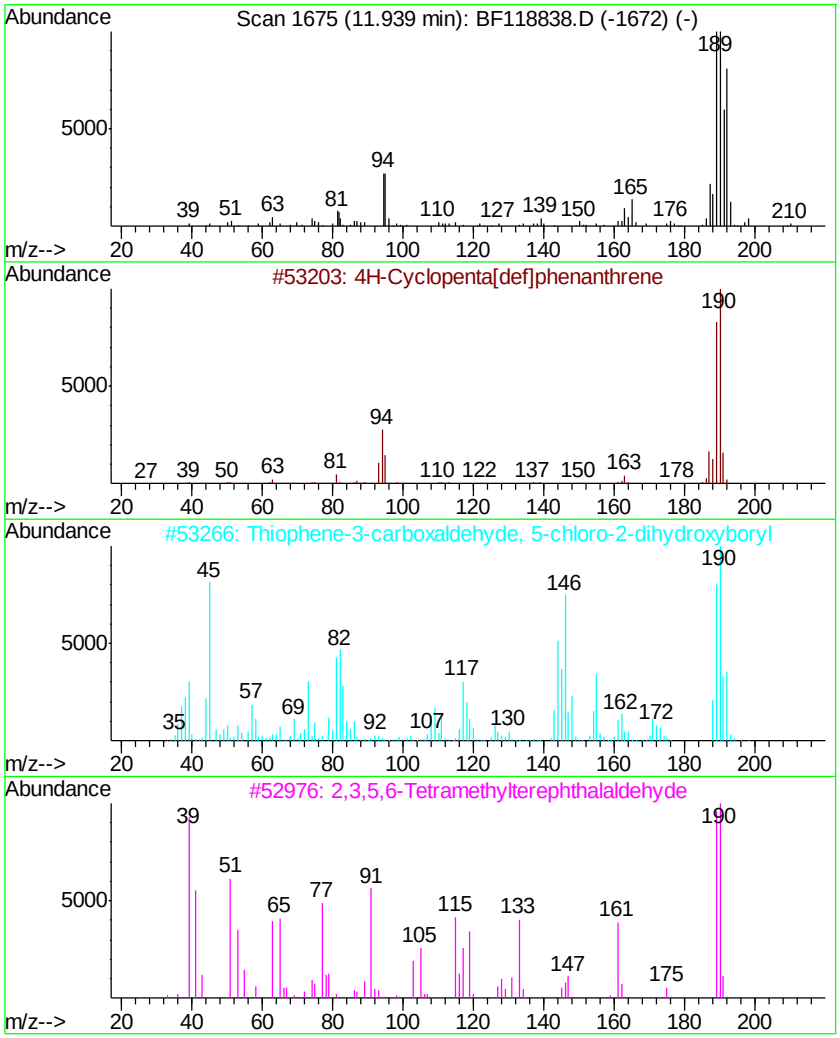
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

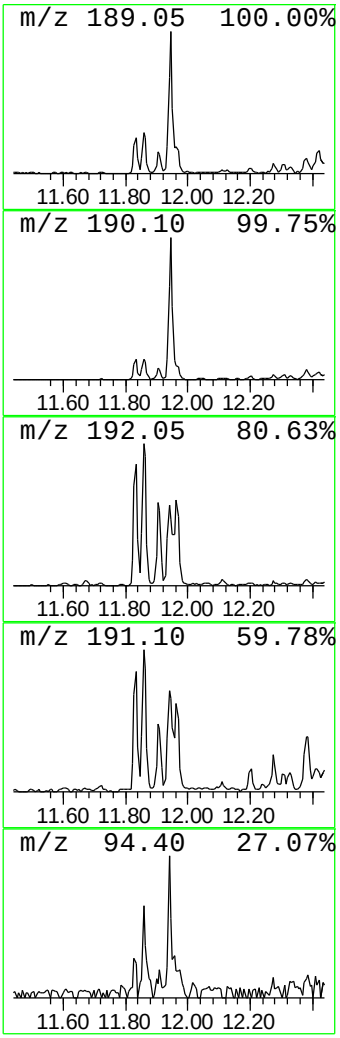
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.07 ng	247791	Phenanthrene-d10	11.33

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	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
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Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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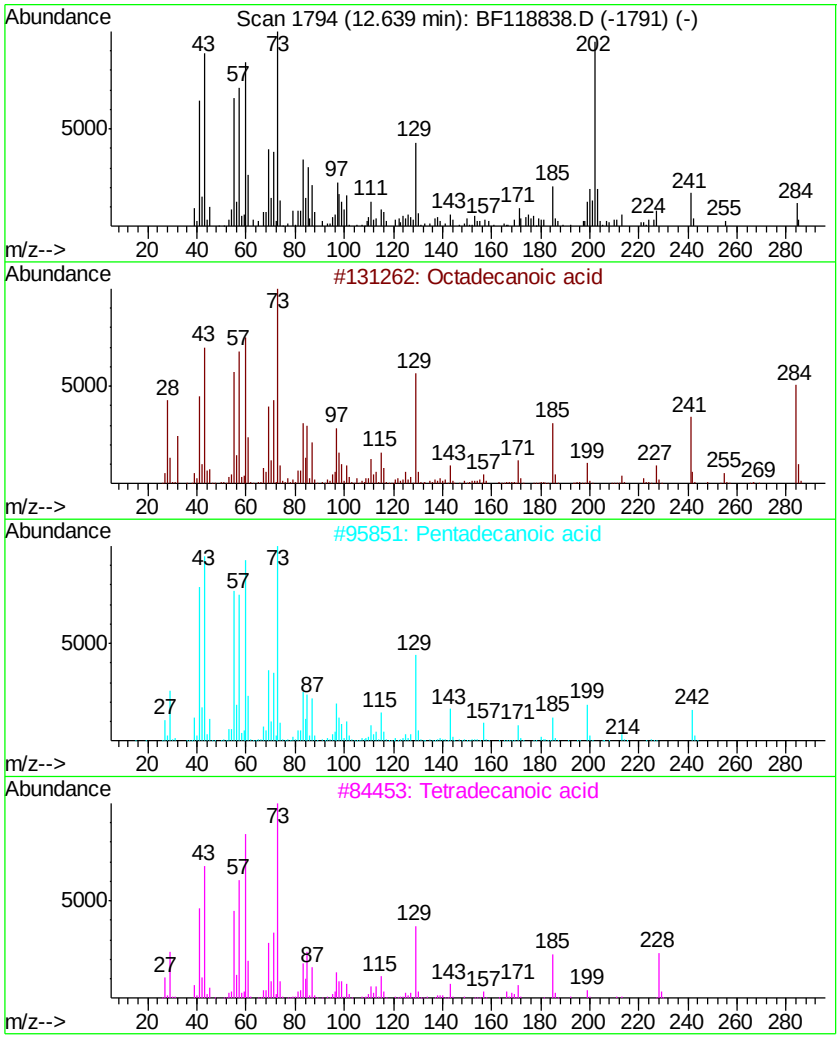
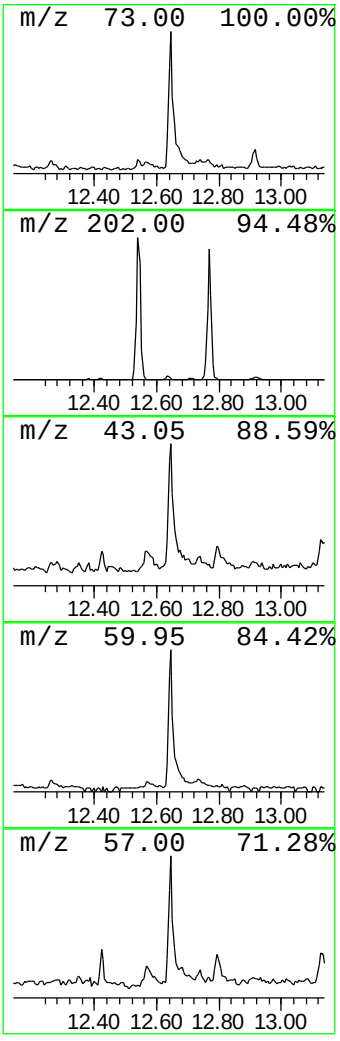
Peak Number 4 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.52 ng	301874	Phenanthrene-d10	11.33

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	80
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
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Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

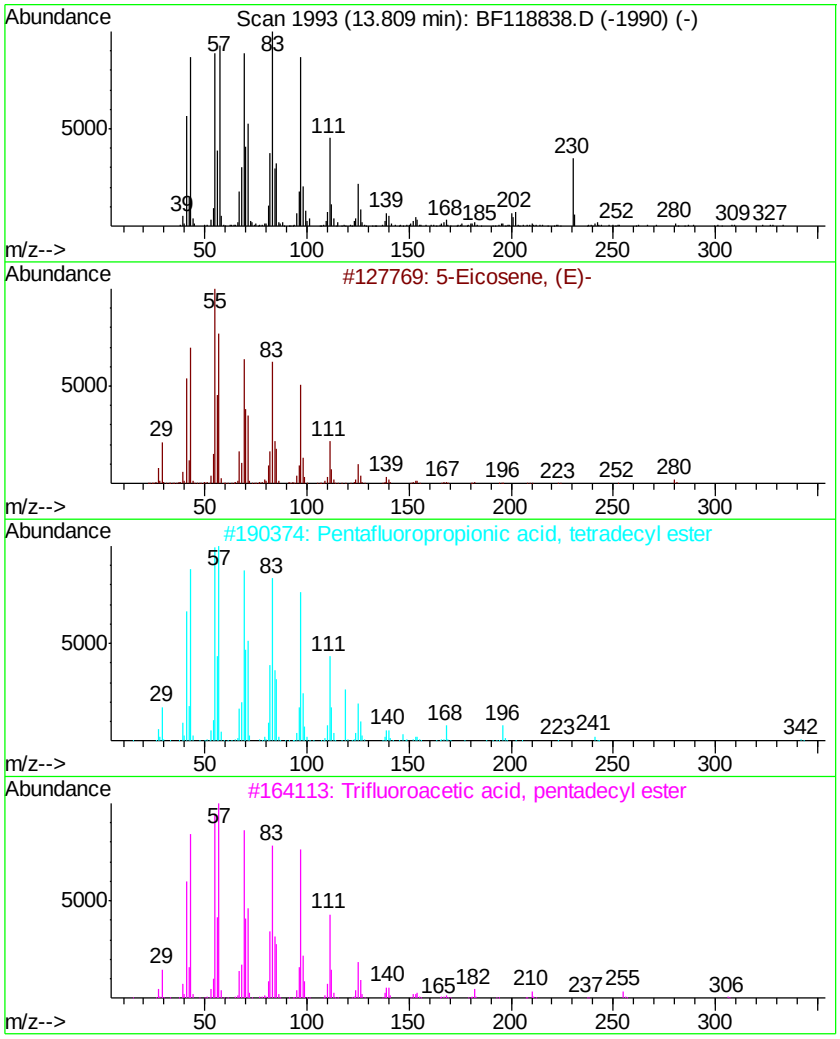
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

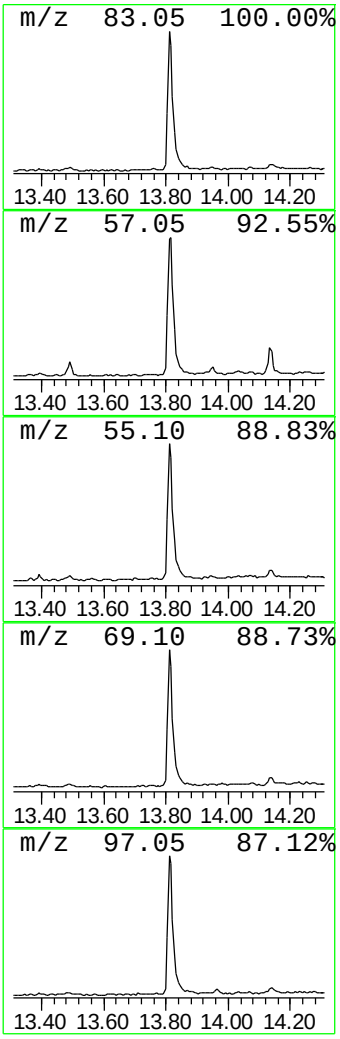
****

Peak Number 5 5-Eicosene, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	9.38 ng	1241600	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	94
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
4	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





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Misc :
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Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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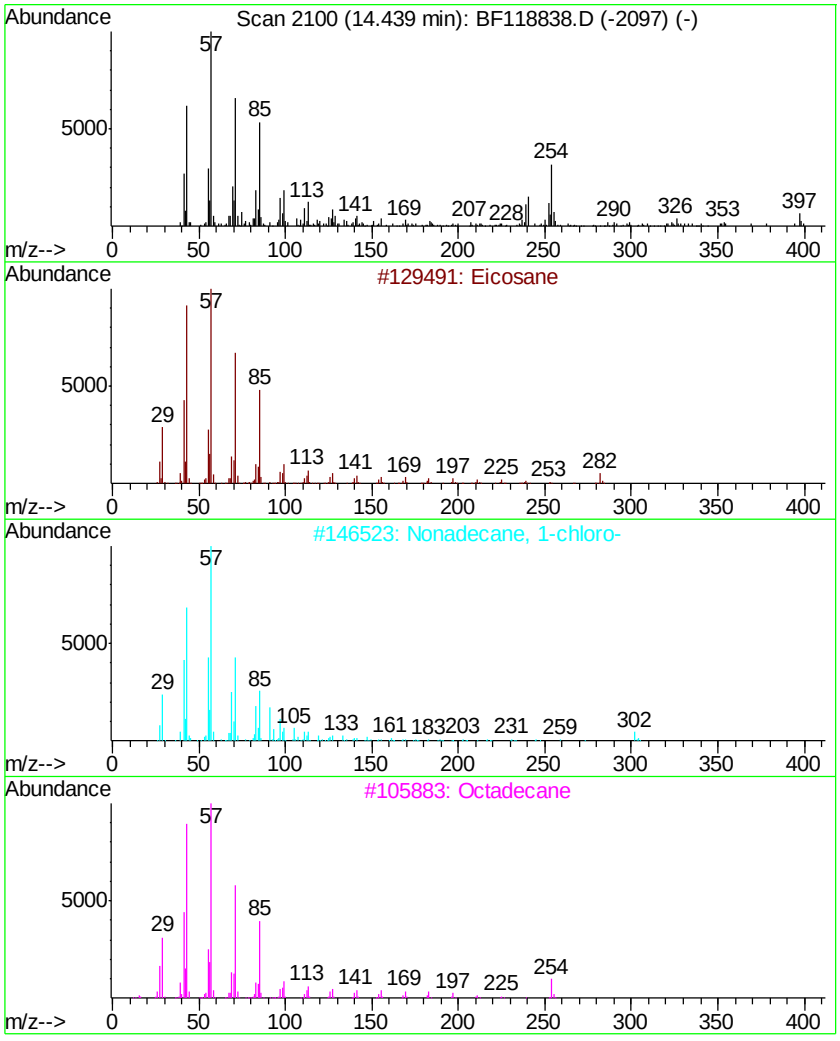
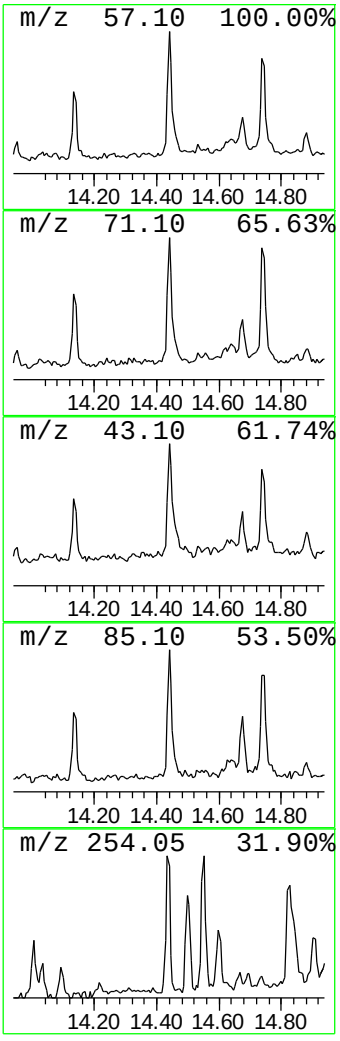
Peak Number 6 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	2.28 ng	302368	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	81
2	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	64
3	Octadecane	254	C18H38	000593-45-3	55
4	Pentacosane	352	C25H52	000629-99-2	46
5	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	45





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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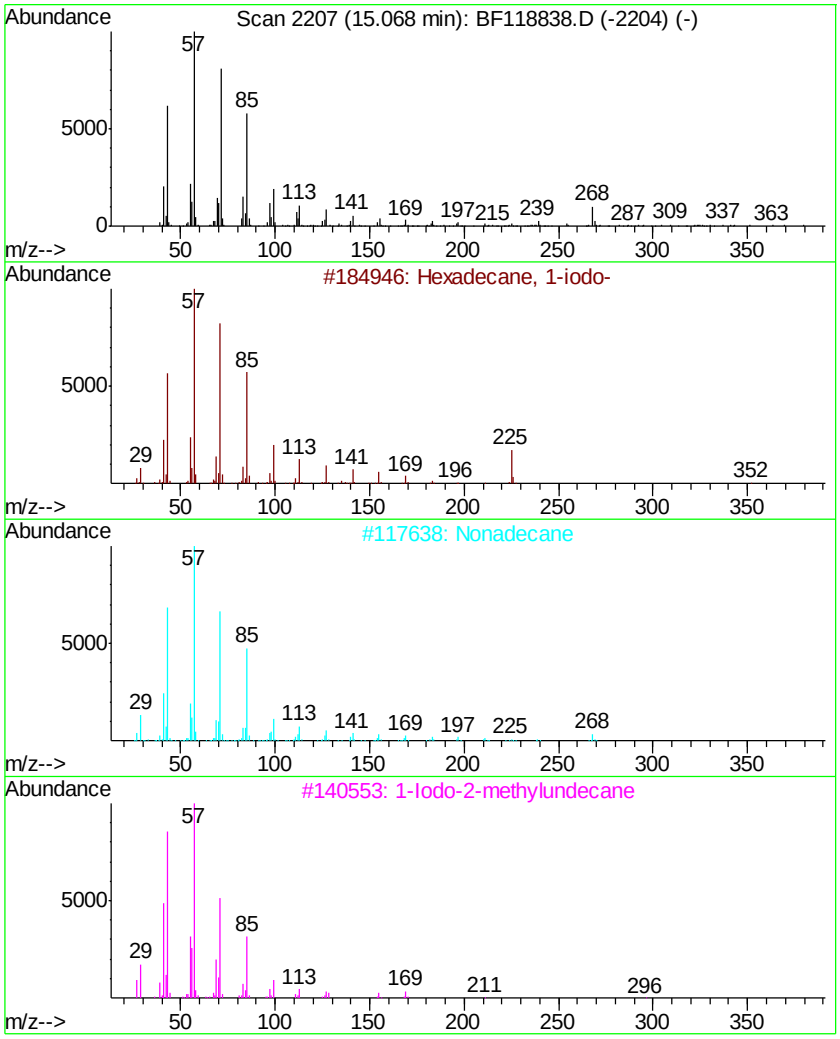
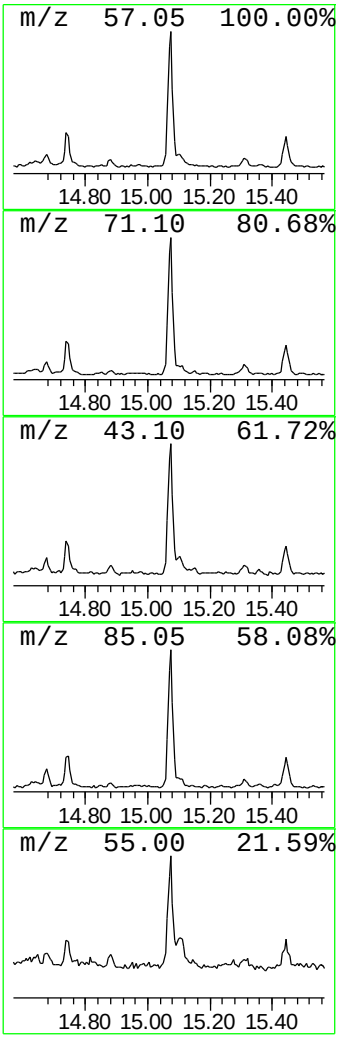
Peak Number 7 Hexadecane, 1-iodo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	5.47 ng	506040	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	96
2	Nonadecane	268	C19H40	000629-92-5	96
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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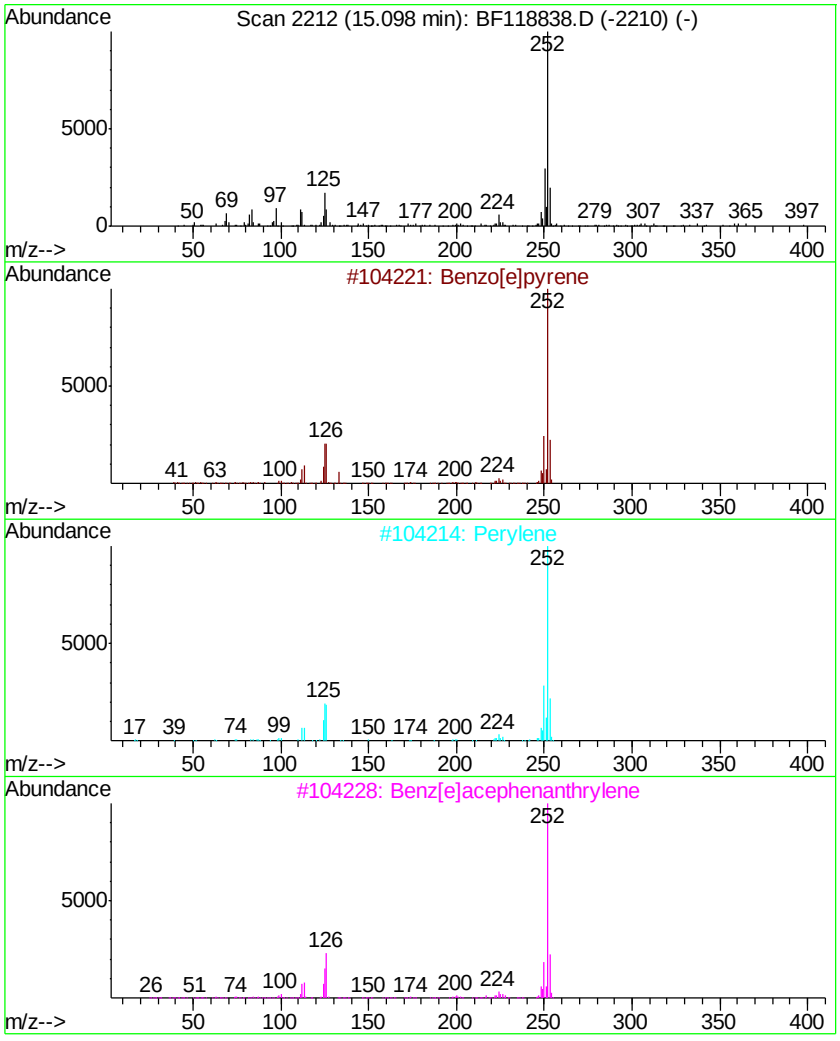
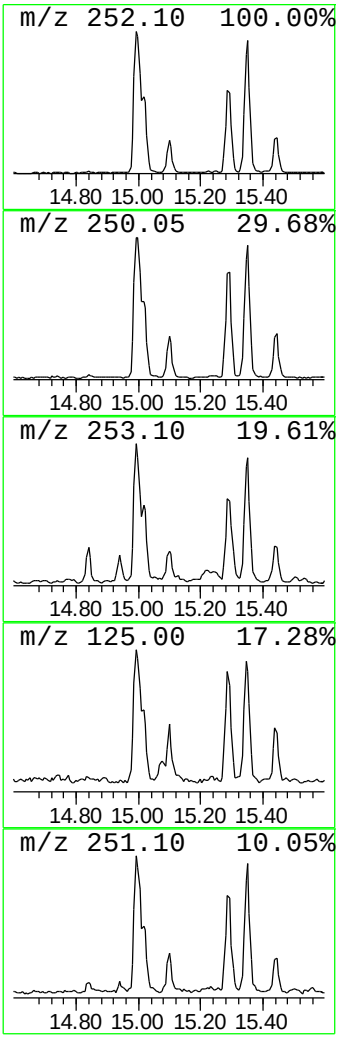
Peak Number 8 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.18 ng	201366	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	89
2	Perylene	252	C20H12	000198-55-0	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benzo[a]pyrene	252	C20H12	000050-32-8	68





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Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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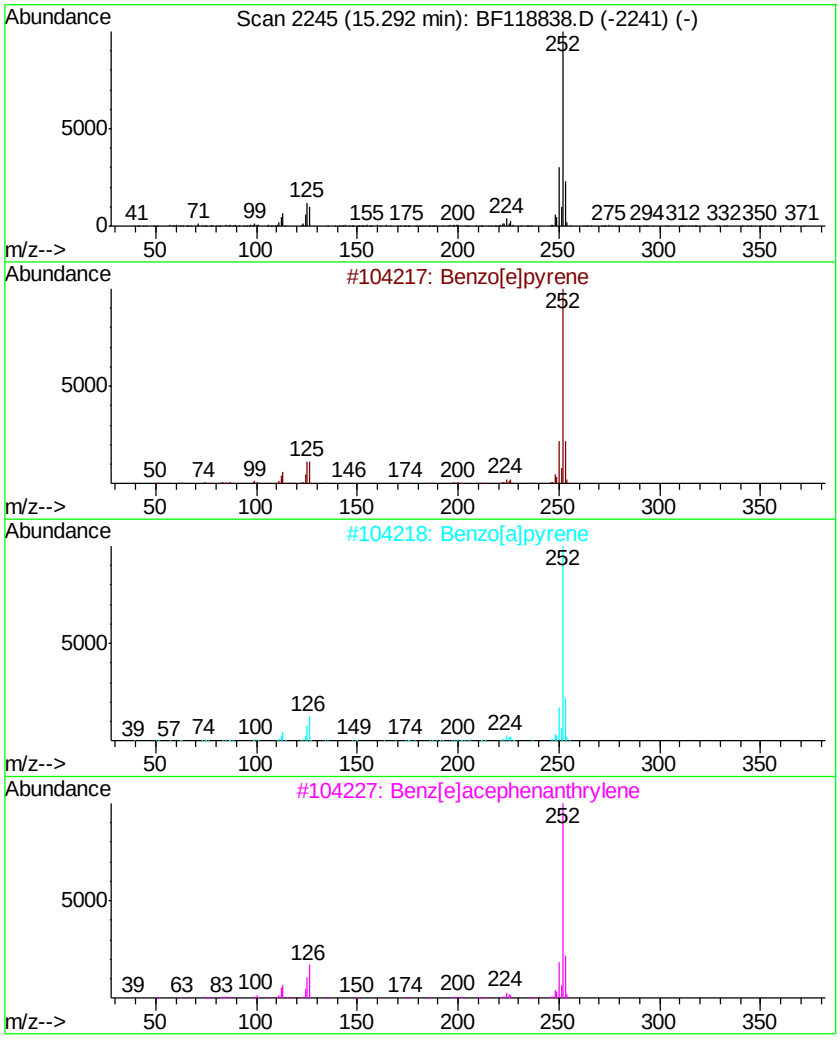
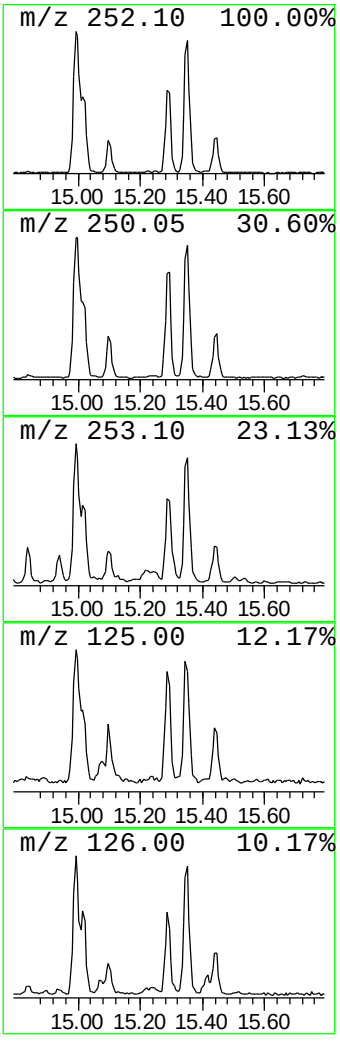
Peak Number 9 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.97 ng	367352	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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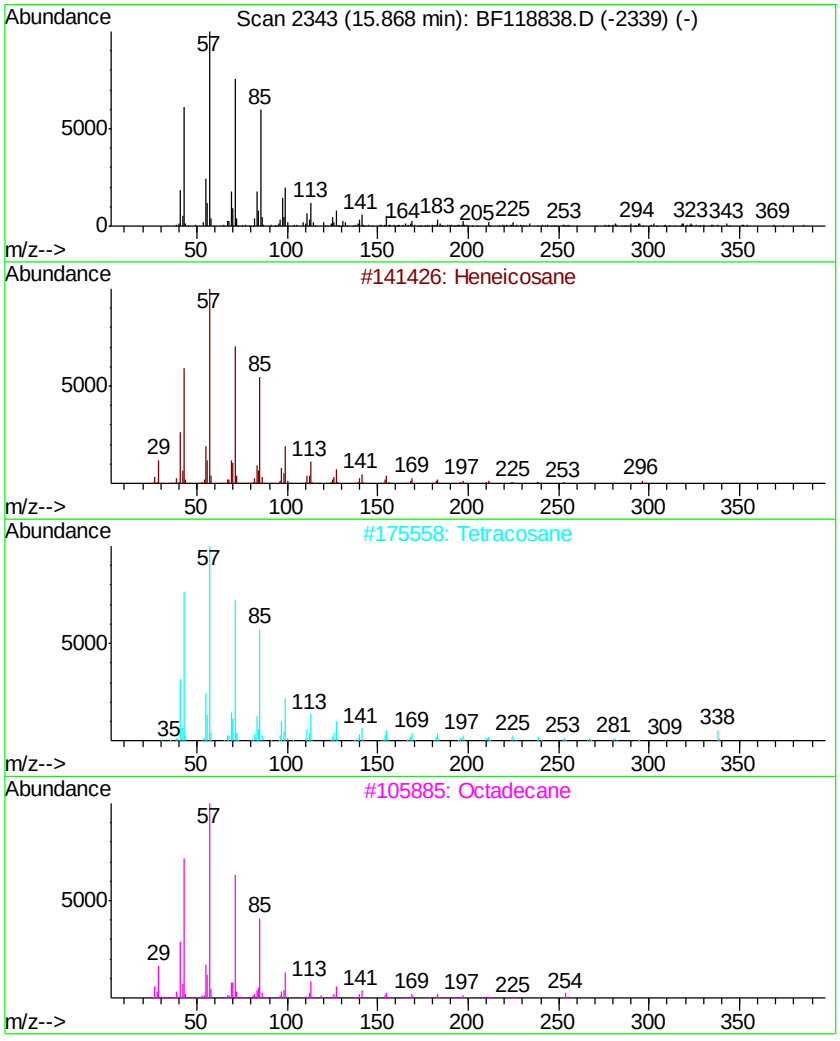
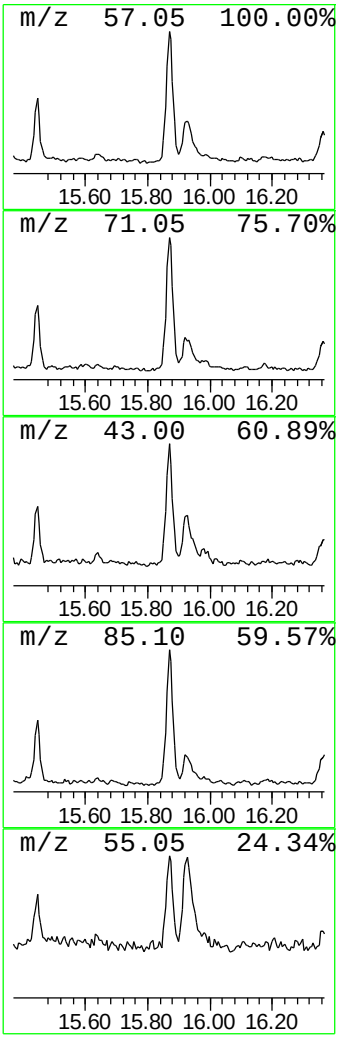
Peak Number 10 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	3.76 ng	347714	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Tetracosane	338	C24H50	000646-31-1	94
3	Octadecane	254	C18H38	000593-45-3	93
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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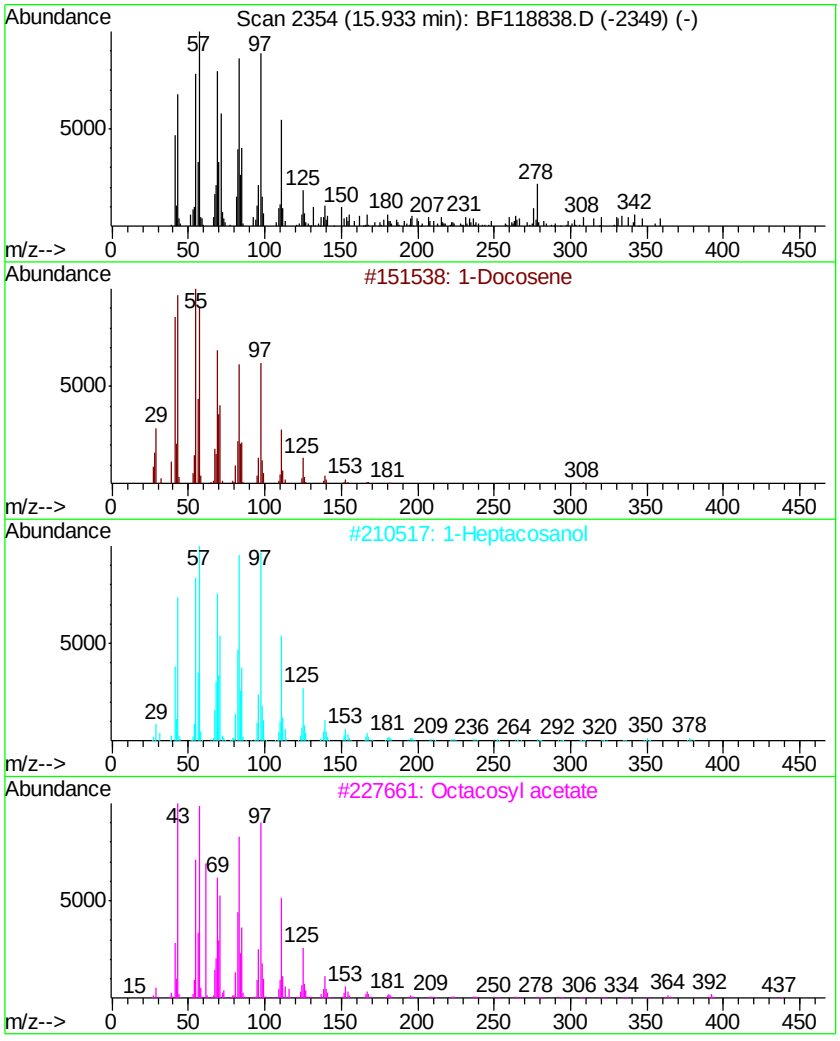
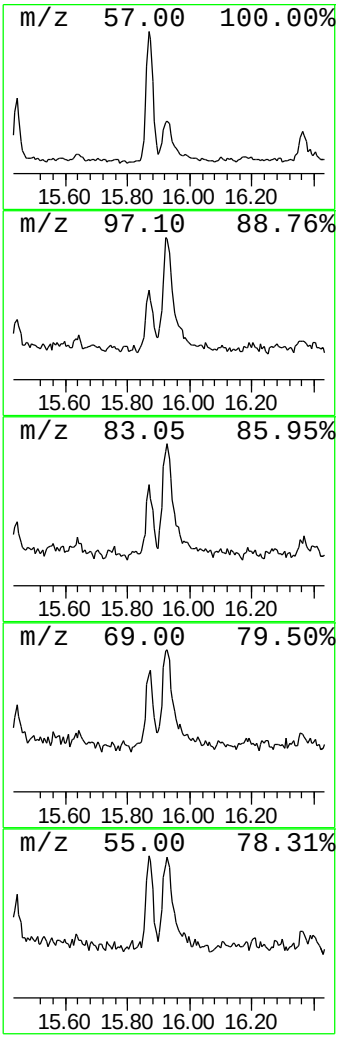
Peak Number 11 1-Docosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	4.56 ng	421918	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	98
2	1-Heptacosanol	396	C27H56O	002004-39-9	95
3	Octacosyl acetate	452	C30H60O2	018206-97-8	93
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
5	1-Tricosanol	340	C23H48O	003133-01-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020620\
Data File : BF118838.D
Acq On : 6 Feb 2020 15:46
Operator : CG/JU
Sample : L1408-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
n-Hexadecanoic acid	11.86	8.1	ng	969923	4	11.33	2393020	20.0
4H-Cyclopenta[def...	11.94	2.1	ng	247791	4	11.33	2393020	20.0
Octadecanoic acid	12.64	2.5	ng	301874	4	11.33	2393020	20.0
5-Eicosene, (E)-	13.81	9.4	ng	1241600	5	13.97	2647480	20.0
Eicosane	14.44	2.3	ng	302368	5	13.97	2647480	20.0
Hexadecane, 1-iodo-	15.07	5.5	ng	506040	6	15.42	1851120	20.0
Benzo[e]pyrene	15.10	2.2	ng	201366	6	15.42	1851120	20.0
Benzo[j]fluoranthene	15.29	4.0	ng	367352	6	15.42	1851120	20.0
Heneicosane	15.87	3.8	ng	347714	6	15.42	1851120	20.0
1-Docosene	15.93	4.6	ng	421918	6	15.42	1851120	20.0