LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

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-BF070220.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	5.451	567	572	576	rBV	2639504	2662620	74.79%	7.739%
2	6.469	739	745	748	rBV	2793902	2769585	77.80%	8.050%
3	6.845	806	809	812	rBV	1234568	943014	26.49%	2.741%
4	7.004	832	836	839	rVB	3145293	2580931	72.50%	7.502%
5	7.404	900	904	908	rBV	1977973	1978240	55.57%	5.750%
6	8.128	1023	1027	1030	rBV	1507463	1185382	33.30%	3.445%
7	9.210	1206	1211	1214	rBV	3845478	3560005	100.00%	10.347%
8	9.598	1274	1277	1281	rBV	568872	423070	11.88%	1.230%
9	9.745	1298	1302	1306	rBV	77656	68810	1.93%	0.200%
10	9.886	1322	1326	1329	rBV	1509137	1286004	36.12%	3.738%
11	10.669	1455	1459	1462	rBV	2296558	1979960	55.62%	5.755%
12	10.945	1503	1506	1508	rBV	58651	47450	1.33%	0.138%
13	11.369	1574	1578	1580	rBV	1593223	1335828	37.52%	3.883%
14	11.392	1580	1582	1585	rVV	429393	332446	9.34%	0.966%
15	11.439	1588	1590	1594	rVB	92176	71212	2.00%	0.207%
16	11.869	1660	1663	1665	rBV	119872	100467	2.82%	0.292%
17	11.898	1665	1668	1672	rVB	155472	143981	4.04%	0.418%
18	11.980	1678	1682	1684	rBV2	153223	168737	4.74%	0.490%
19	11.998	1684	1685	1690	rVB	91875	78542	2.21%	0.228%
20	12.074	1691	1698	1700	rBV4	21988	38460	1.08%	0.112%
21	12.163	1710	1713	1715	rBV2	66847	64040	1.80%	0.186%
22	12.186	1715	1717	1722	rVB2	74224	84169	2.36%	0.245%
23	12.251	1724	1728	1733	rBV3	48425	55179	1.55%	0.160%
24	12.351	1741	1745	1752	rBV2	194619	209902	5.90%	0.610%
25	12.416	1752	1756	1759	rBV2	124224	130756	3.67%	0.380%
26	12.451	1759	1762	1764	rVV2	66728	80533	2.26%	0.234%
27	12.498	1768	1770	1775	rVB2	79736	90327	2.54%	0.263%
28	12.580	1780	1784	1787	rBV	993202	825247	23.18%	2.399%
29	12.727	1807	1809	1813	rBV2	40888	47686	1.34%	0.139%
30	12.804	1817	1822	1826	rBV	816775	900595	25.30%	2.618%
31	12.863	1829	1832	1836	rVB3	41425	51721	1.45%	0.150%
32	12.921	1839	1842	1844	rBV2	50572	48998	1.38%	0.142%
33	12.957	1844	1848	1851	rVV	3857412	3498115	98.26%	10.167%
34	13.021	1855	1859	1863	rBV2	77766	118251	3.32%	0.344%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

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-BF070220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.110	1871	1874	1876	rBV2	75609	90097	2.53%	0.262%
36	13.133	1876	1878	1881	rVB	130230	115915	3.26%	0.337%
37	13.204	1886	1890	1892	rVB	77789	77713	2.18%	0.226%
38	13.239	1892	1896	1899	rBV	118781	113008	3.17%	0.328%
39	13.327	1909	1911	1914	rVB	76208	70580	1.98%	0.205%
40	13.363	1914	1917	1919	rVV	75196	67190	1.89%	0.195%
41	13.386	1919	1921	1926	rVB5	41863	53069	1.49%	0.154%
42	13.574	1950	1953	1958	rBV	98795	109682	3.08%	0.319%
43	13.639	1961	1964	1969	rVB	66319	88779	2.49%	0.258%
44	13.751	1978	1983	1986	rBV3	90583	138536	3.89%	0.403%
45	13.804	1990	1992	1996	rVV2	82862	80067	2.25%	0.233%
46	13.851	1997	2000	2007	rVB3	564907	567410	15.94%	1.649%
47	14.004	2020	2026	2029	rBV2	1309973	1523892	42.81%	4.429%
48	14.027	2029	2030	2037	rVB	368932	307306	8.63%	0.893%
49	14.215	2060	2062	2067	rVB2	27142	37632	1.06%	0.109%
50	14.392	2087	2092	2094	rVB	70286	79091	2.22%	0.230%
51	14.421	2095	2097	2101	rVB2	59737	51452	1.45%	0.150%
52	14.486	2105	2108	2111	rBV2	110452	129996	3.65%	0.378%
53	14.945	2183	2186	2191	rVB6	37507	47820	1.34%	0.139%
54	15.039	2197	2202	2205	rBV	265616	389120	10.93%	1.131%
55	15.145	2215	2220	2226	rVB3	85044	157929	4.44%	0.459%
56	15.339	2249	2253	2259	rVB	173076	202150	5.68%	0.588%
57	15.398	2259	2263	2269	rBV	198618	247399	6.95%	0.719%
58	15.468	2270	2275	2278	rBV	672166	817497	22.96%	2.376%
59	15.956	2353	2358	2361	rBV2	50808	89543	2.52%	0.260%
60	15.998	2361	2365	2376	rVB6	87229	183967	5.17%	0.535%
61	16.745	2487	2492	2499	rVB5	27438	60064	1.69%	0.175%
62	16.903	2514	2519	2528	rVB2	95929	199185	5.60%	0.579%
63	17.139	2554	2559	2565	rBV5	28099	52000	1.46%	0.151%
64	17.339	2588	2593	2606	rVB	90975	201449	5.66%	0.586%
65	17.515	2619	2623	2628	rVB8	23556	41197	1.16%	0.120%
66	18.086	2716	2720	2730	rVB9	23095	54486	1.53%	0.158%

Sum of corrected areas: 34405484

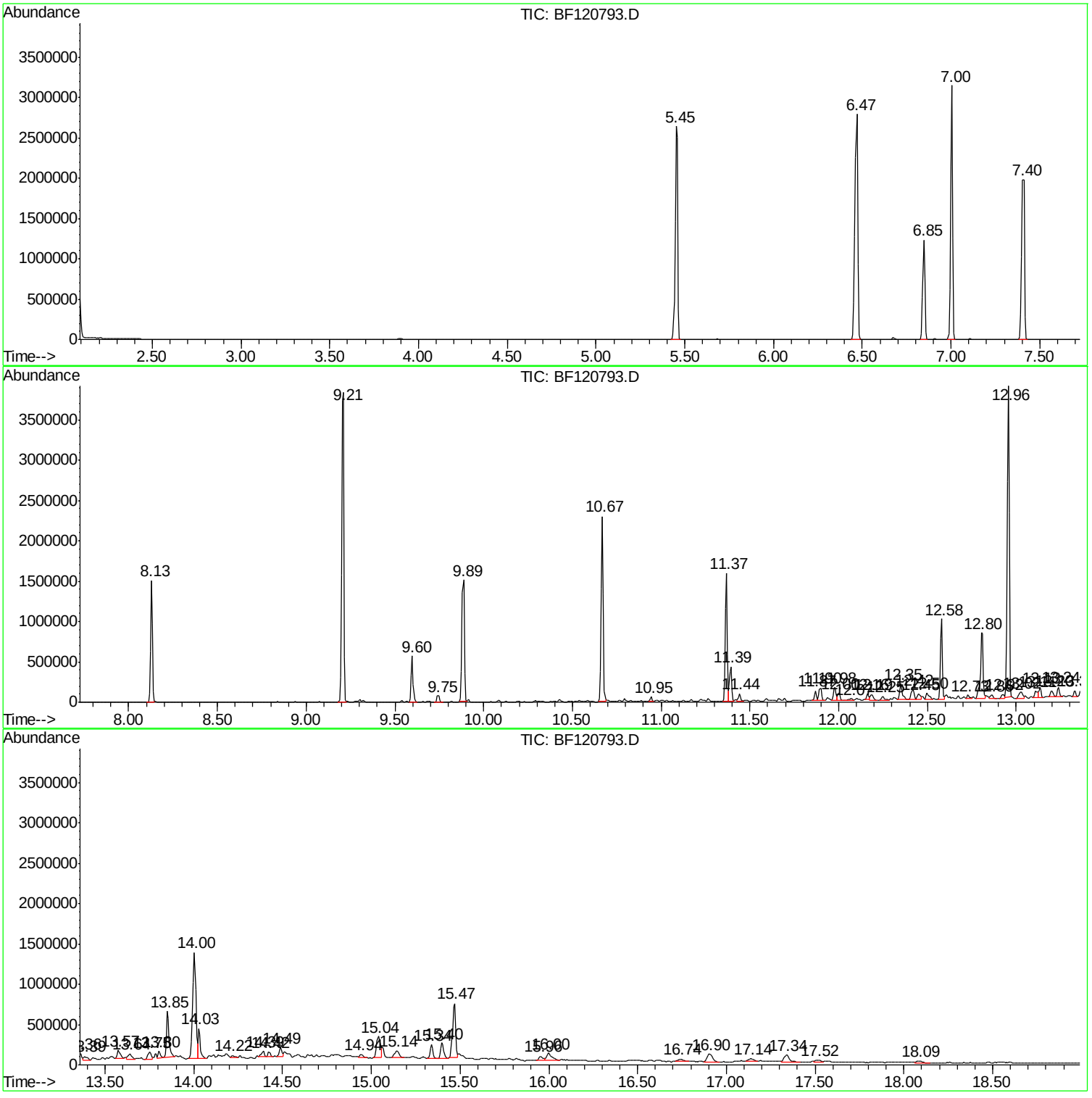
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.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\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

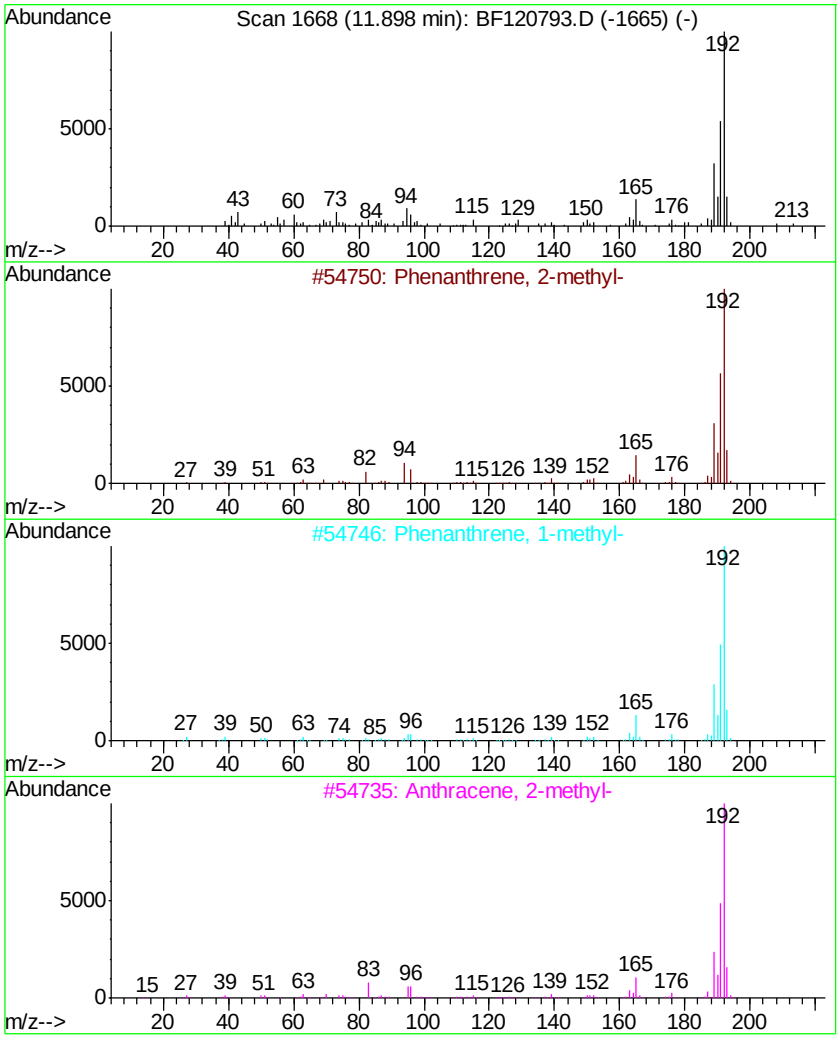
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

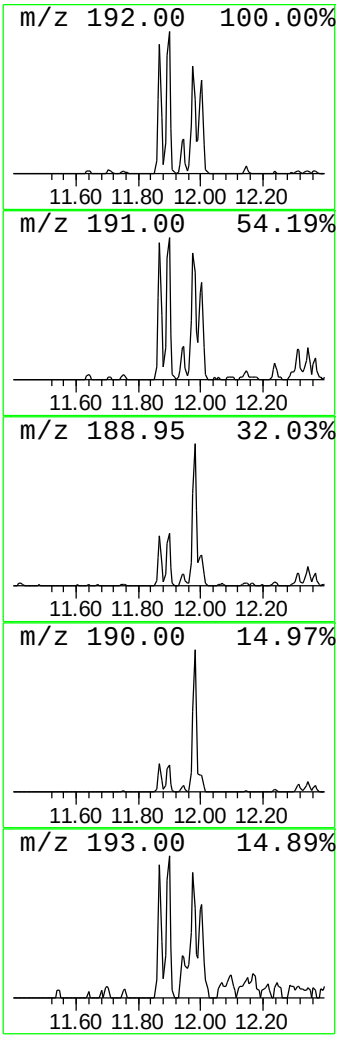
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.16 ng	143981	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

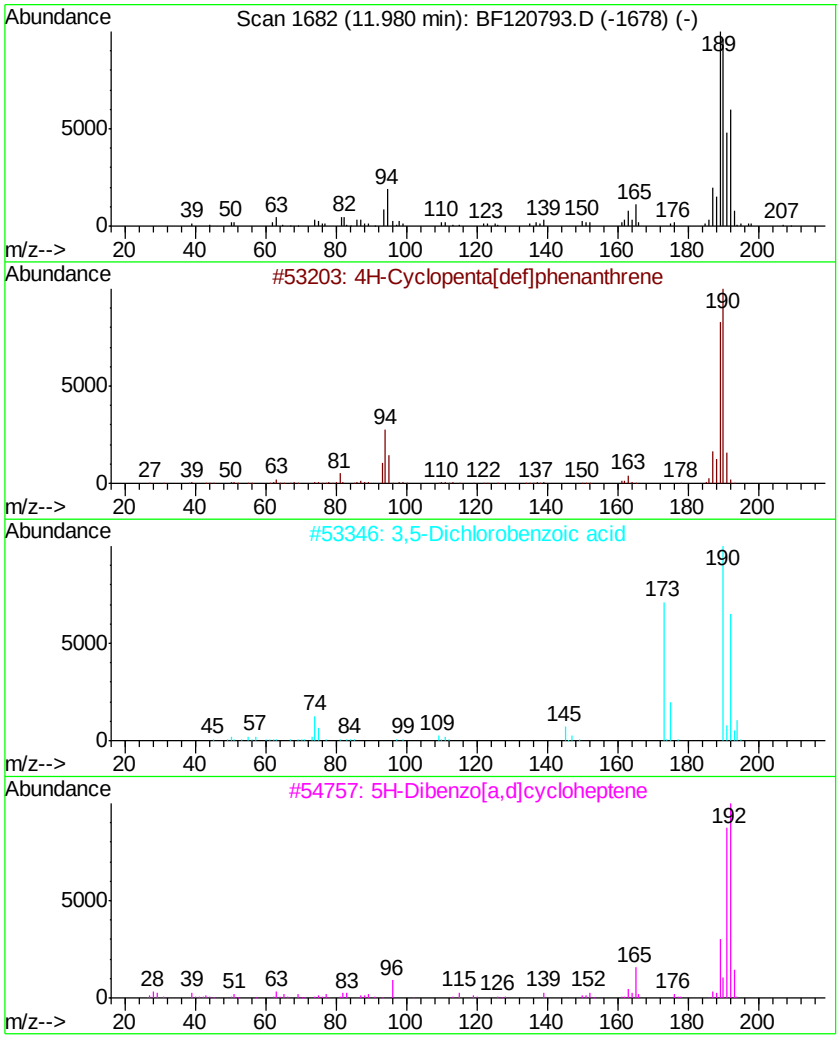
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

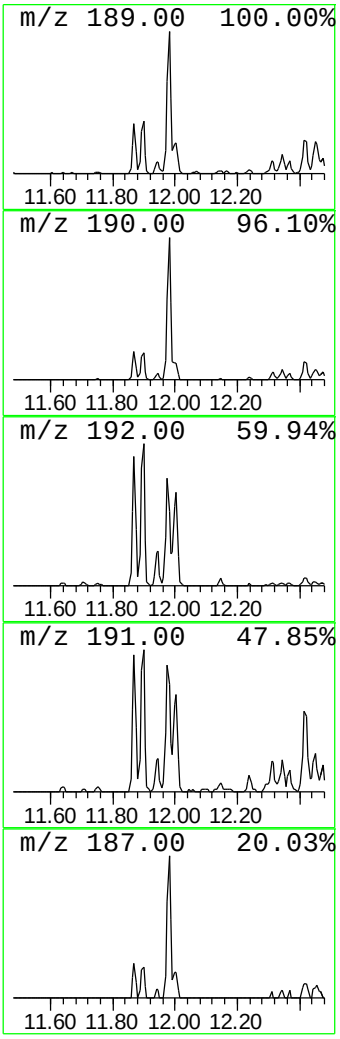
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.53 ng	168737	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

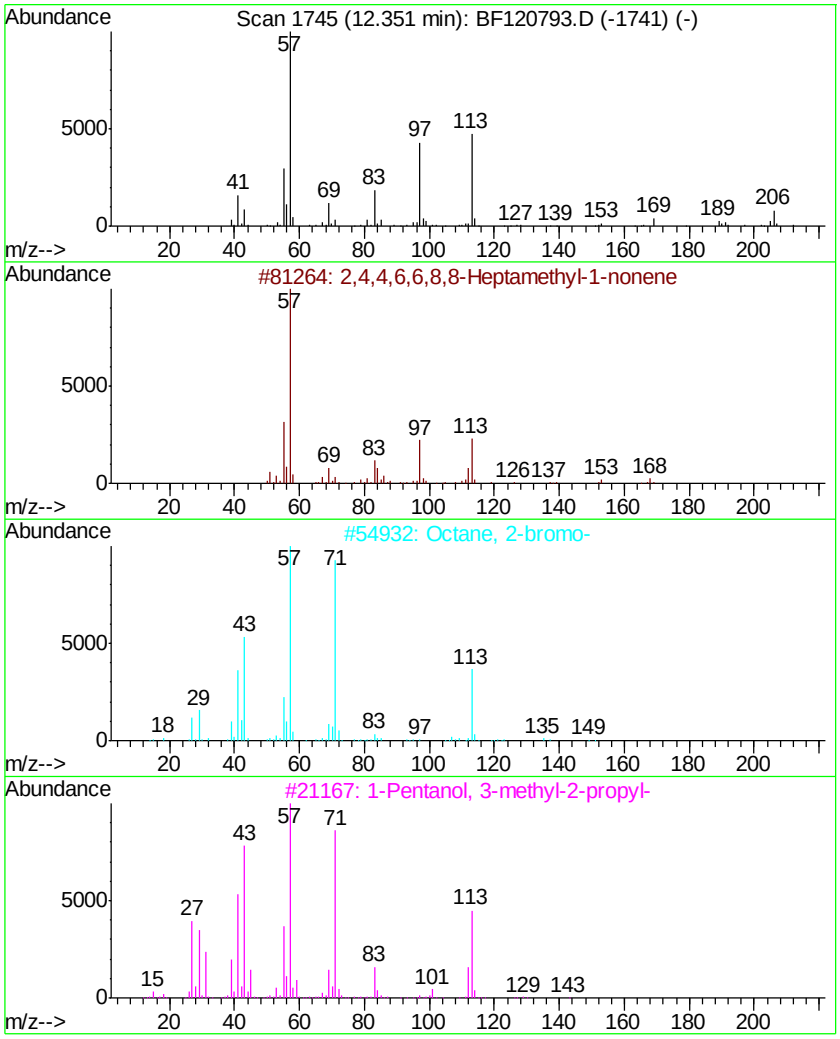
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

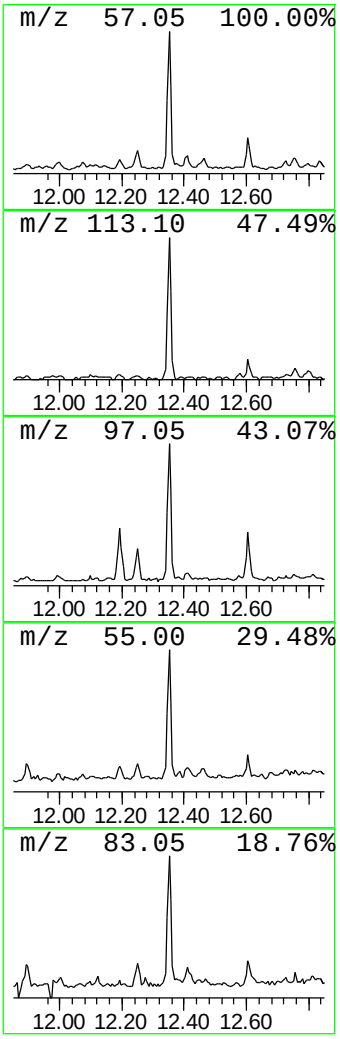
****

Peak Number 4 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.14 ng	209902	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	72
2	Octane, 2-bromo-	192	C8H17Br	000557-35-7	38
3	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	38
4	2,4,4-Trimethyl-1-pentanol, hept...	326	C12H17F7O2	1000365-01-4	35
5	2,4,4-Trimethyl-1-pentanol, trif...	226	C10H17F3O2	1000365-19-5	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

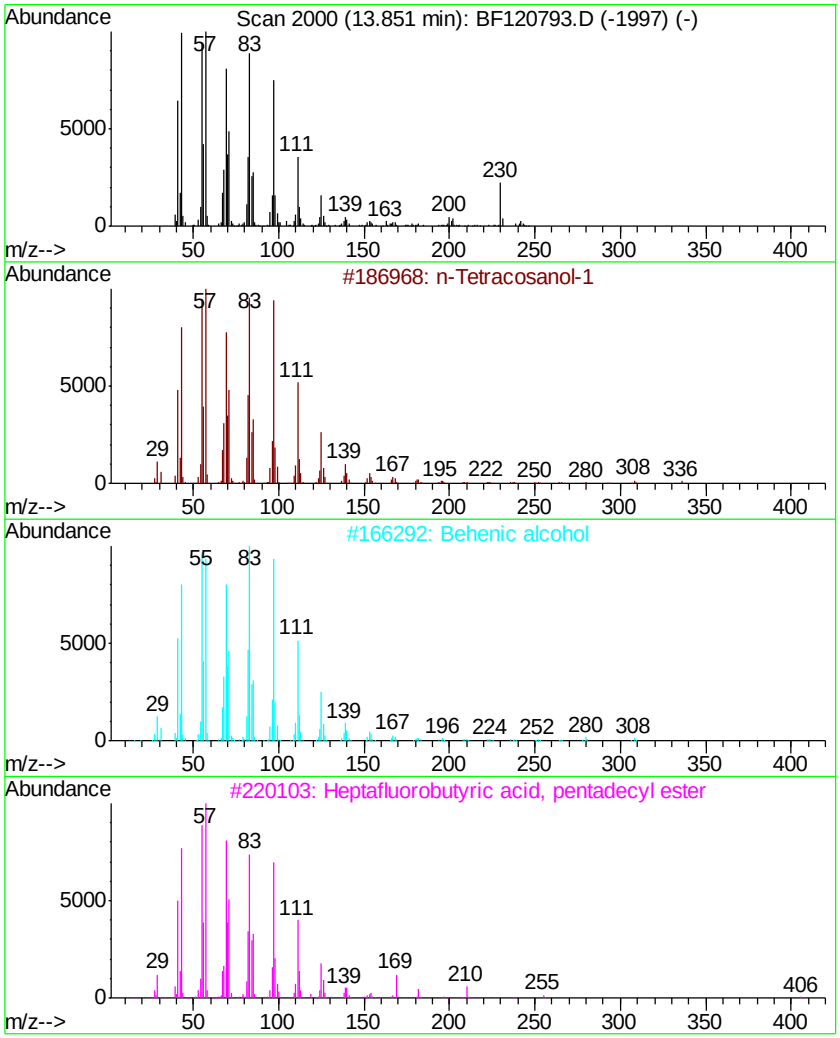
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

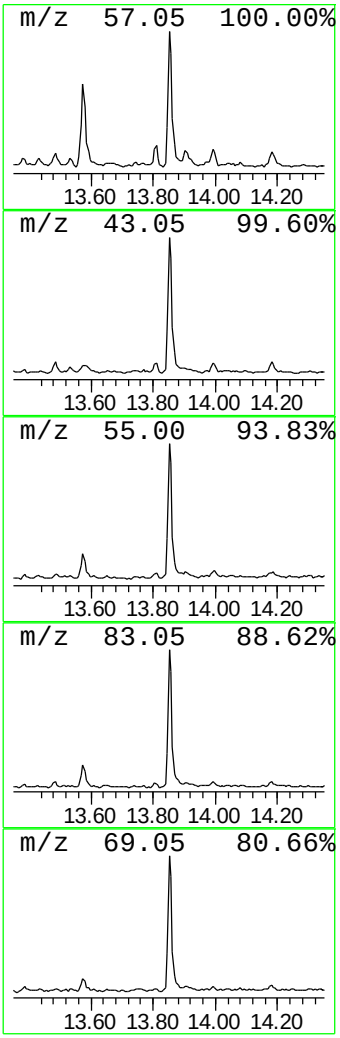
****

Peak Number 5 n-Tetracosanol-1 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	7.45 ng	567410	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
4	1-Heptacosanol	396	C27H56O	002004-39-9	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

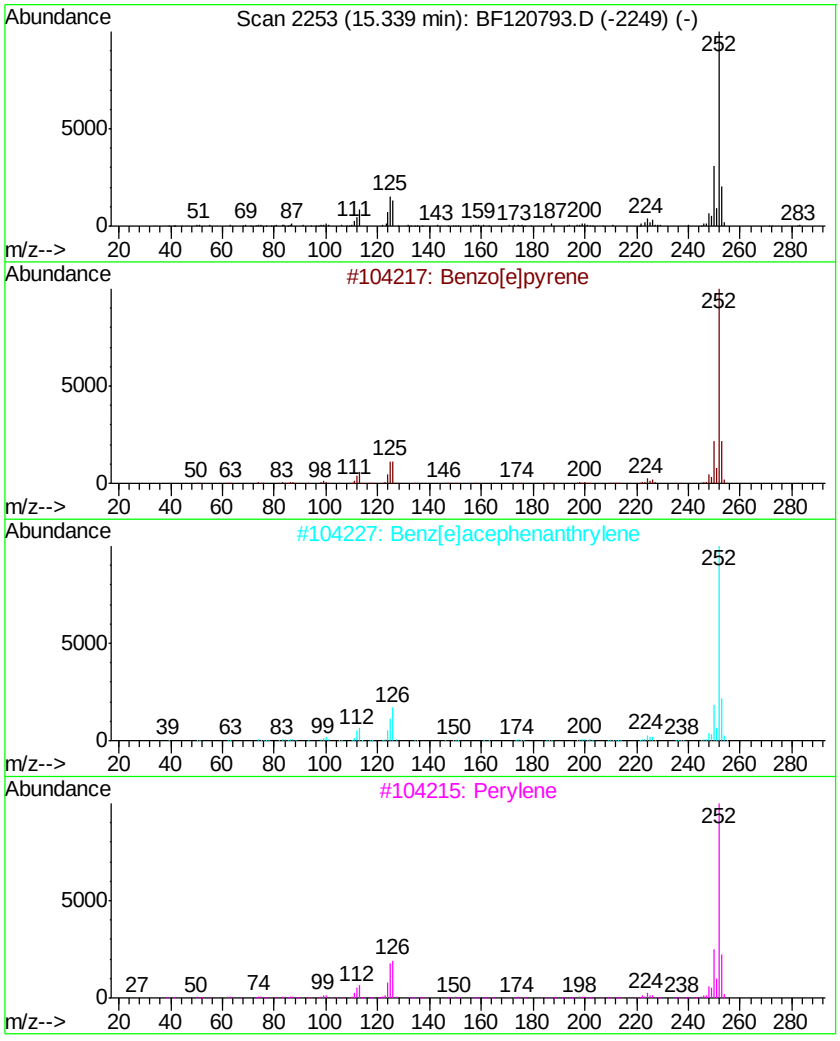
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

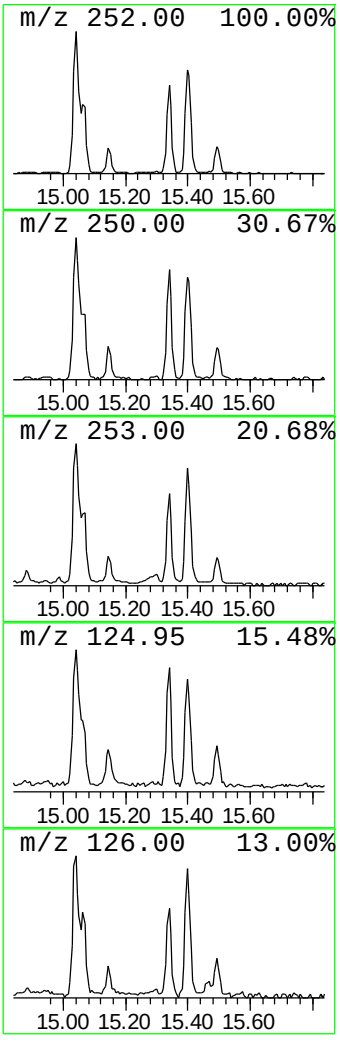
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	4.95 ng	202150	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

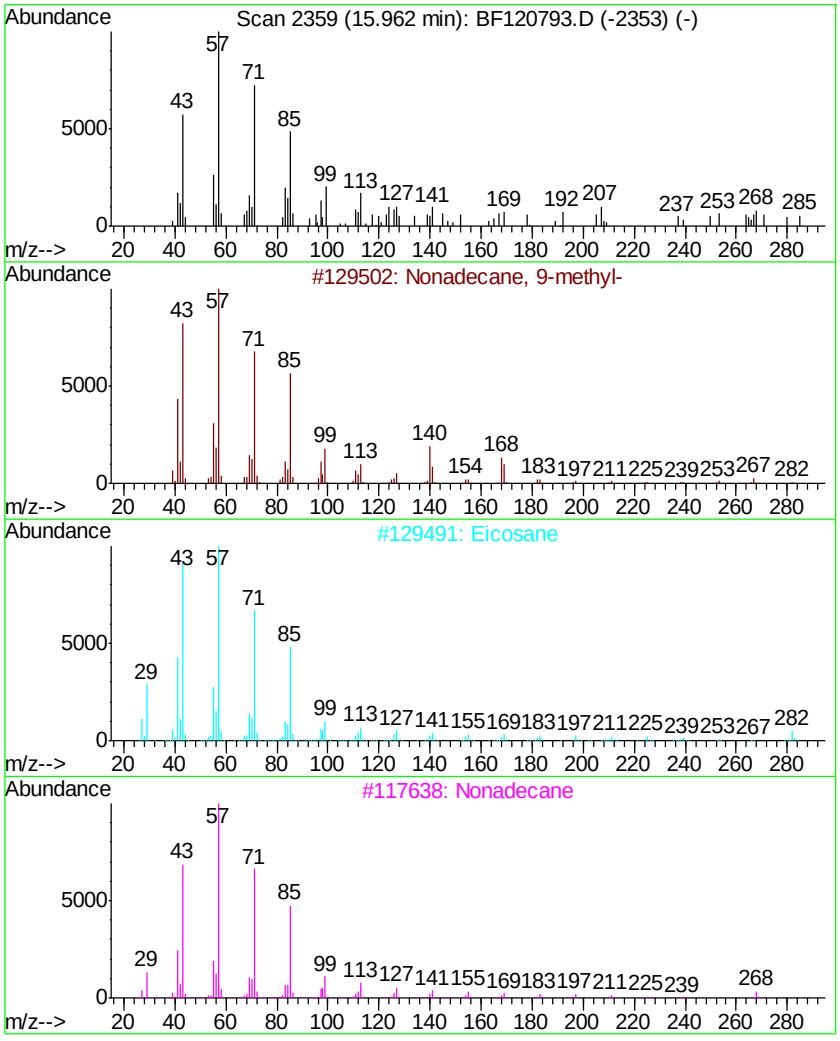
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

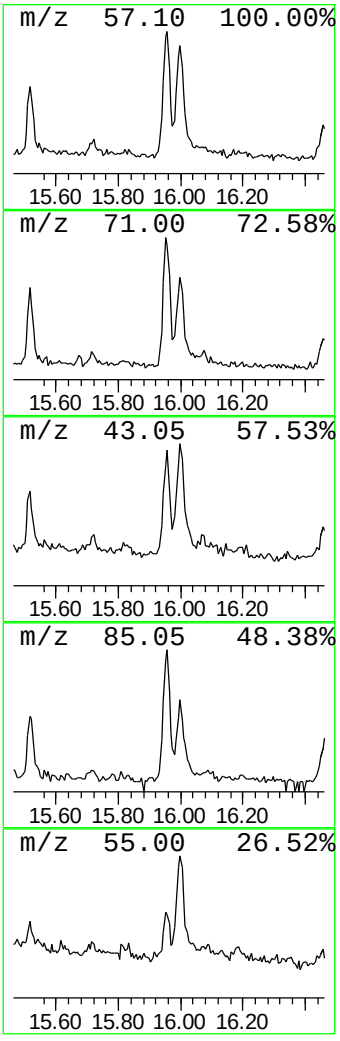
****

Peak Number 8 Nonadecane, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.19 ng	89543	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	93
2	Eicosane	282	C20H42	000112-95-8	91
3	Nonadecane	268	C19H40	000629-92-5	86
4	2-methyloctacosane	408	C29H60	1000376-72-8	68
5	Hentriacontane	437	C31H64	000630-04-6	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

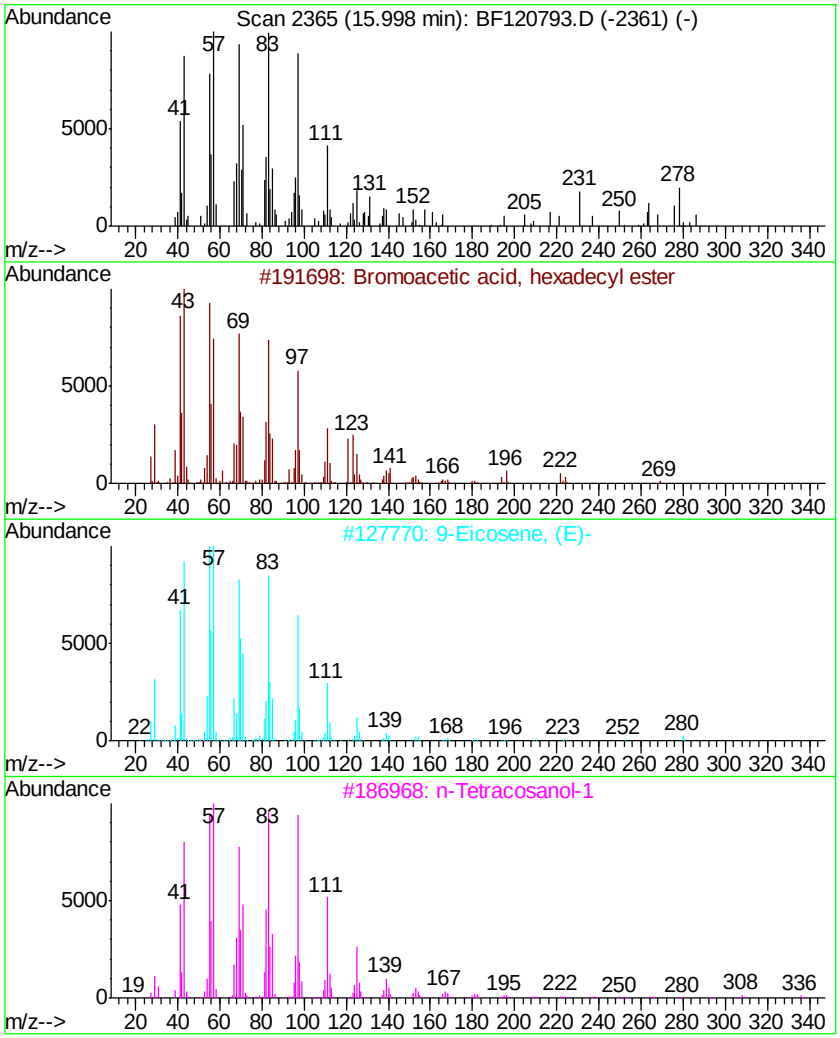
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

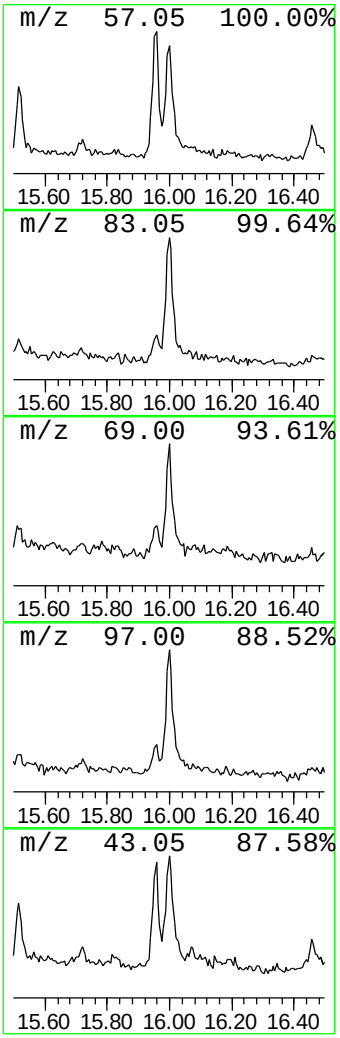
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Bromoacetic acid, hexadecyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	4.50 ng	183967	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	83
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	72
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	64
4	Octacosanol	410	C28H58O	000557-61-9	64
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070720\
Data File : BF120793.D
Acq On : 7 Jul 2020 17:58
Operator : JU/CG
Sample : L3228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-217

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070220.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
Phenanthrene, 2-m...	11.90	2.2	ng	143981	4	11.37	1335830	20.0
4H-Cyclopenta[def...	11.98	2.5	ng	168737	4	11.37	1335830	20.0
2,4,4,6,6,8,8-Hep...	12.35	3.1	ng	209902	4	11.37	1335830	20.0
n-Tetracosanol-1	13.85	7.5	ng	567410	5	14.00	1523890	20.0
Benzo[e]pyrene	15.34	5.0	ng	202150	6	15.47	817497	20.0
Nonadecane, 9-met...	15.96	2.2	ng	89543	6	15.47	817497	20.0
Bromoacetic acid,...	16.00	4.5	ng	183967	6	15.47	817497	20.0