LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

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-BF121218.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	3.269	198	201	218	rBV	158545	327631	4.10%	0.477%
2	5.016	495	498	508	rVB	324691	454375	5.68%	0.661%
3	5.434	563	569	572	rBV	6329706	6910235	86.45%	10.057%
4	6.445	735	741	757	rBV2	6097407	7993177	100.00%	11.633%
5	6.575	757	763	766	rBV	7080887	7221826	90.35%	10.511%
6	6.792	797	800	808	rBV	1895368	1530452	19.15%	2.227%
7	6.951	823	827	830	rBV	5519848	4906301	61.38%	7.141%
8	7.357	890	896	899	rBV	4562919	4523810	56.60%	6.584%
9	8.075	1014	1018	1021	rBV	2469073	2026736	25.36%	2.950%
10	9.151	1197	1201	1205	rBV	6268614	6141777	76.84%	8.939%
11	9.545	1264	1268	1274	rBV	711968	654066	8.18%	0.952%
12	9.686	1287	1292	1297	rVB	87902	114284	1.43%	0.166%
13	9.827	1310	1316	1320	rBV	2413930	2282386	28.55%	3.322%
14	9.863	1320	1322	1324	rVB	119045	95083	1.19%	0.138%
15	10.033	1348	1351	1355	rBV	99412	90174	1.13%	0.131%
16	10.374	1406	1409	1415	rVB	134092	121312	1.52%	0.177%
17	10.616	1446	1450	1454	rBV	3678385	3673309	45.96%	5.346%
18	10.739	1468	1471	1479	rVB4	70599	82659	1.03%	0.120%
19	11.310	1564	1568	1570	rBV	1872806	1714556	21.45%	2.495%
20	11.333	1570	1572	1576	rVV	1391132	1167917	14.61%	1.700%
21	11.386	1576	1581	1585	rVB	366750	355930	4.45%	0.518%
22	11.539	1602	1607	1611	rBV2	125545	163128	2.04%	0.237%
23	11.810	1650	1653	1656	rBV	166653	169267	2.12%	0.246%
24	11.845	1656	1659	1664	rVV2	889517	856020	10.71%	1.246%
25	11.921	1669	1672	1675	rBV	200204	230527	2.88%	0.336%
26	12.021	1686	1689	1692	rBV2	74519	80909	1.01%	0.118%
27	12.110	1700	1704	1706	rBV	100667	111718	1.40%	0.163%
28	12.298	1732	1736	1740	rBV3	87263	116181	1.45%	0.169%
29	12.363	1744	1747	1750	rBV2	99494	108223	1.35%	0.158%
30	12.410	1750	1755	1759	rBV5	116495	166914	2.09%	0.243%
31	12.521	1771	1774	1778	rBV	1568208	1408643	17.62%	2.050%
32	12.563	1779	1781	1788	rVB4	112870	158976	1.99%	0.231%
33	12.627	1788	1792	1798	rBV3	236419	360339	4.51%	0.524%
34	12.751	1807	1813	1816	rBV	1425365	1411260	17.66%	2.054%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

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-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.804	1820	1822	1826	rVB2	78827	80701	1.01%	0.117%
36	12.898	1834	1838	1845	rVB	4236457	3719001	46.53%	5.413%
37	13.080	1866	1869	1872	rVB	151606	152706	1.91%	0.222%
38	13.145	1876	1880	1883	rVB2	121123	134700	1.69%	0.196%
39	13.180	1883	1886	1889	rBV	124844	137210	1.72%	0.200%
40	13.304	1905	1907	1912	rBV2	74238	94987	1.19%	0.138%
41	13.374	1916	1919	1925	rVB	206988	239026	2.99%	0.348%
42	13.586	1952	1955	1961	rVB	95000	127960	1.60%	0.186%
43	13.698	1970	1974	1977	rBV2	100335	147783	1.85%	0.215%
44	13.751	1981	1983	1987	rVV2	95115	130464	1.63%	0.190%
45	13.804	1988	1992	1998	rVB2	257016	347803	4.35%	0.506%
46	13.945	2011	2016	2019	rBV2	1581402	2052833	25.68%	2.988%
47	13.974	2019	2021	2024	rVB	570763	448963	5.62%	0.653%
48	14.427	2096	2098	2101	rBV4	94680	95762	1.20%	0.139%
49	14.974	2187	2191	2194	rBV	500777	753752	9.43%	1.097%
50	15.262	2237	2240	2246	rVB	306453	387062	4.84%	0.563%
51	15.321	2247	2250	2256	rBV	375032	413730	5.18%	0.602%
52	15.386	2257	2261	2264	rBV	831013	962597	12.04%	1.401%
53	16.792	2497	2500	2506	rVB2	159697	269893	3.38%	0.393%
54	17.221	2569	2573	2583	rVB	140288	282782	3.54%	0.412%

Sum of corrected areas: 68709816

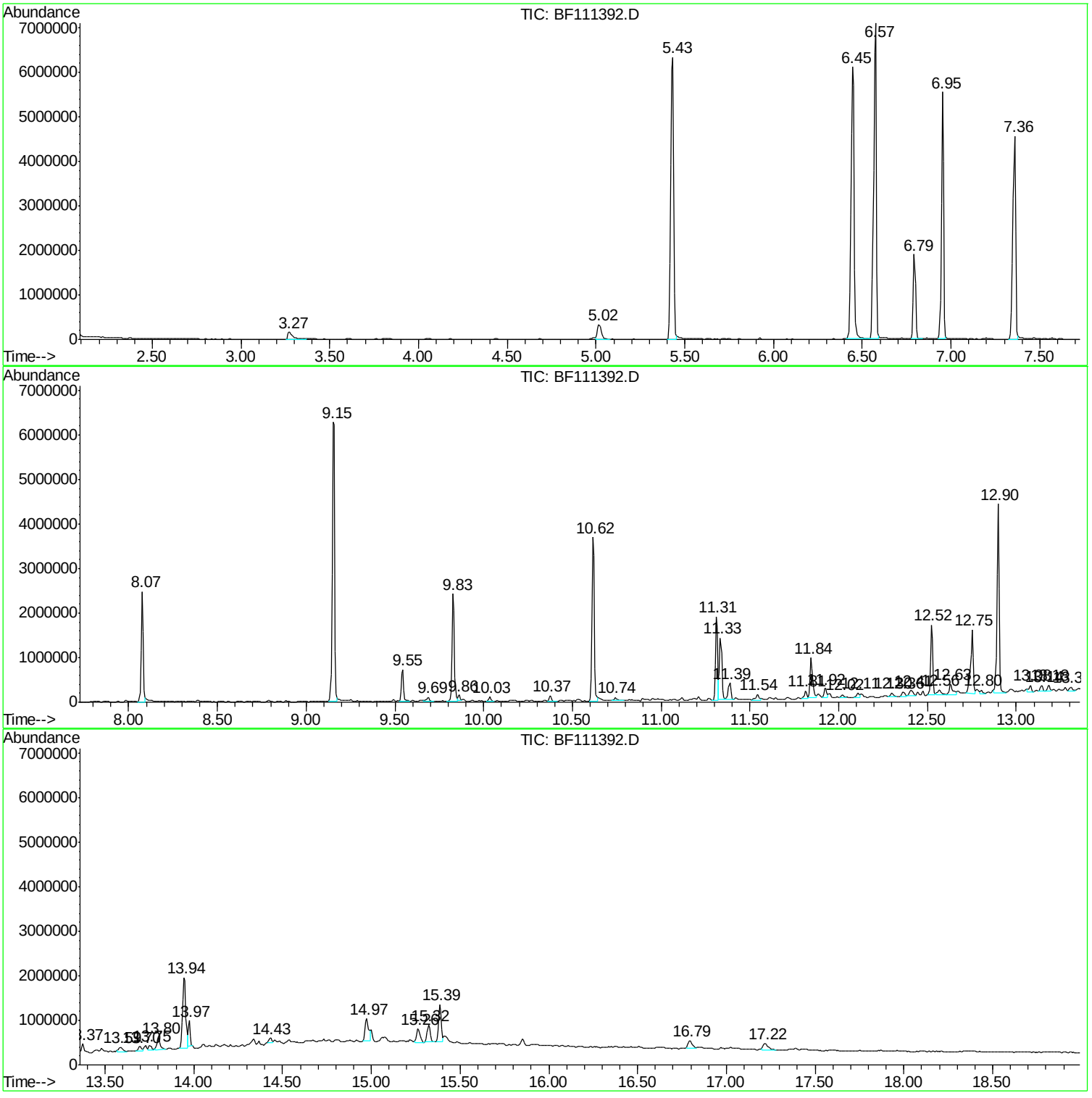
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

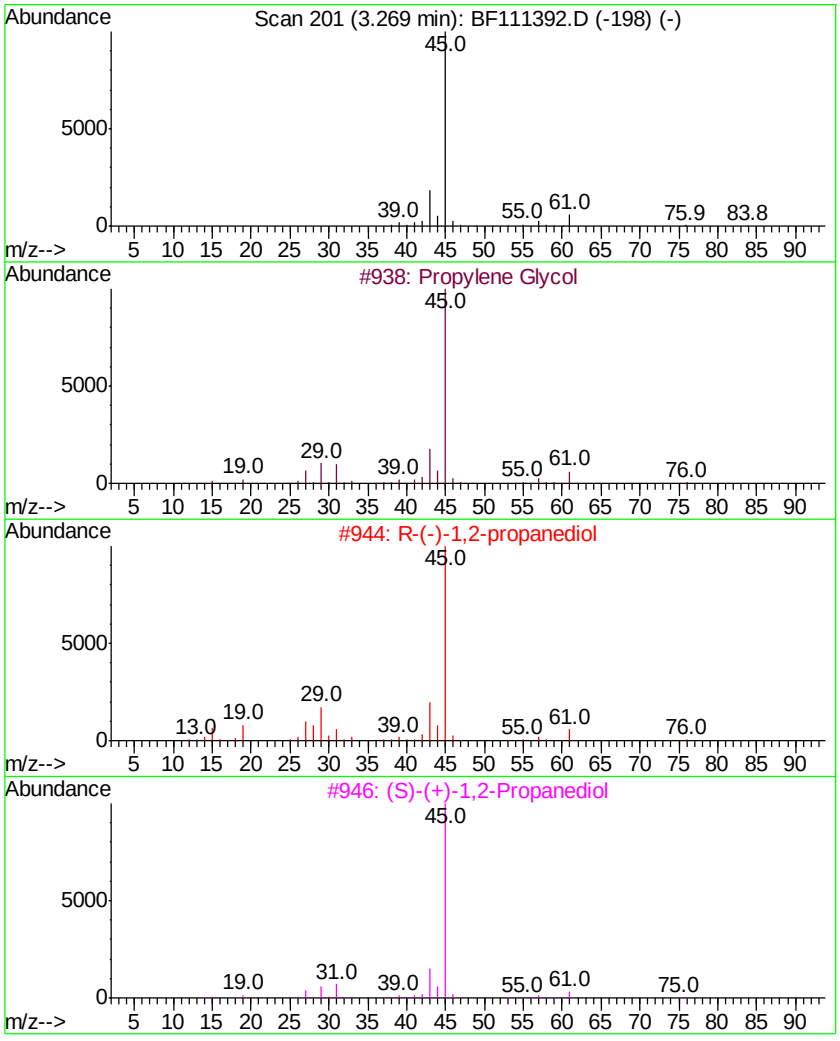
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

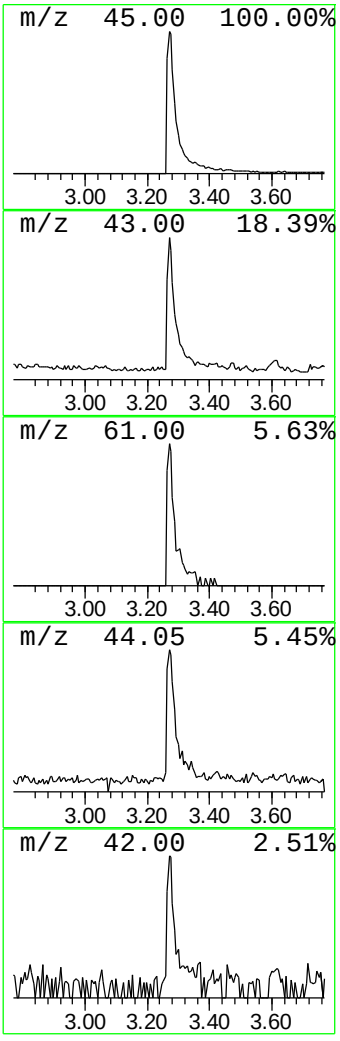
****

Peak Number 1 Propylene Glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.27	4.28 ng	327631	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	83
2	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	78
3	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
5	L-Lactic acid	90	C3H6O3	000079-33-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

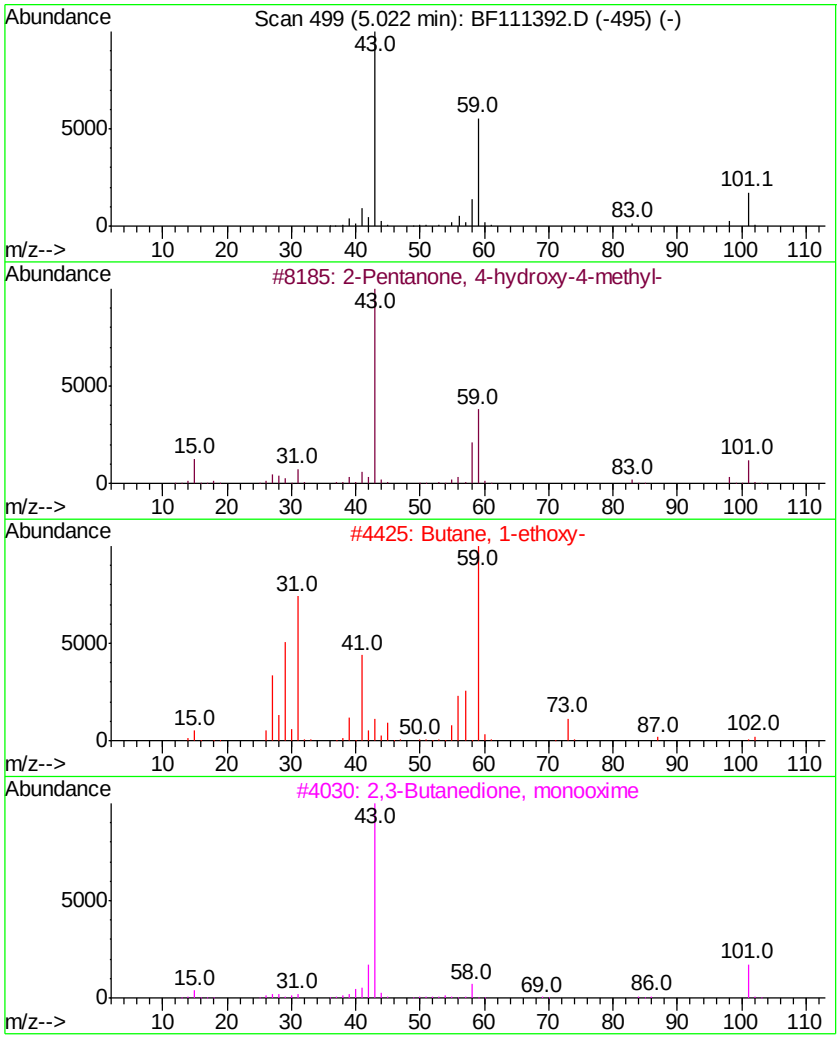
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

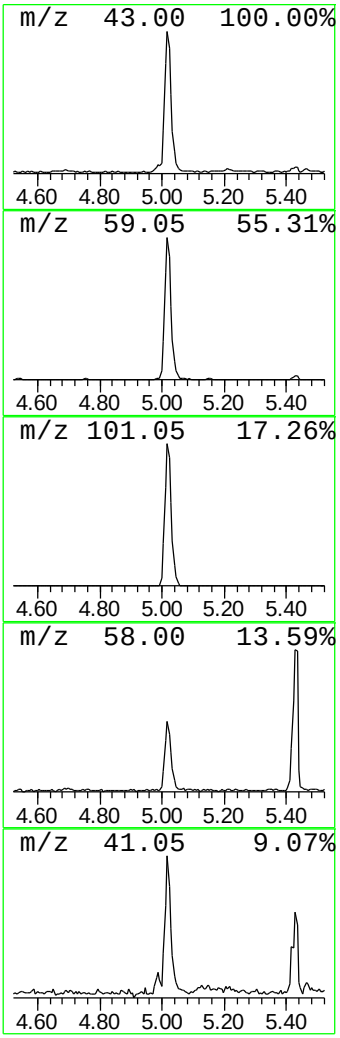
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	5.94 ng	454375	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

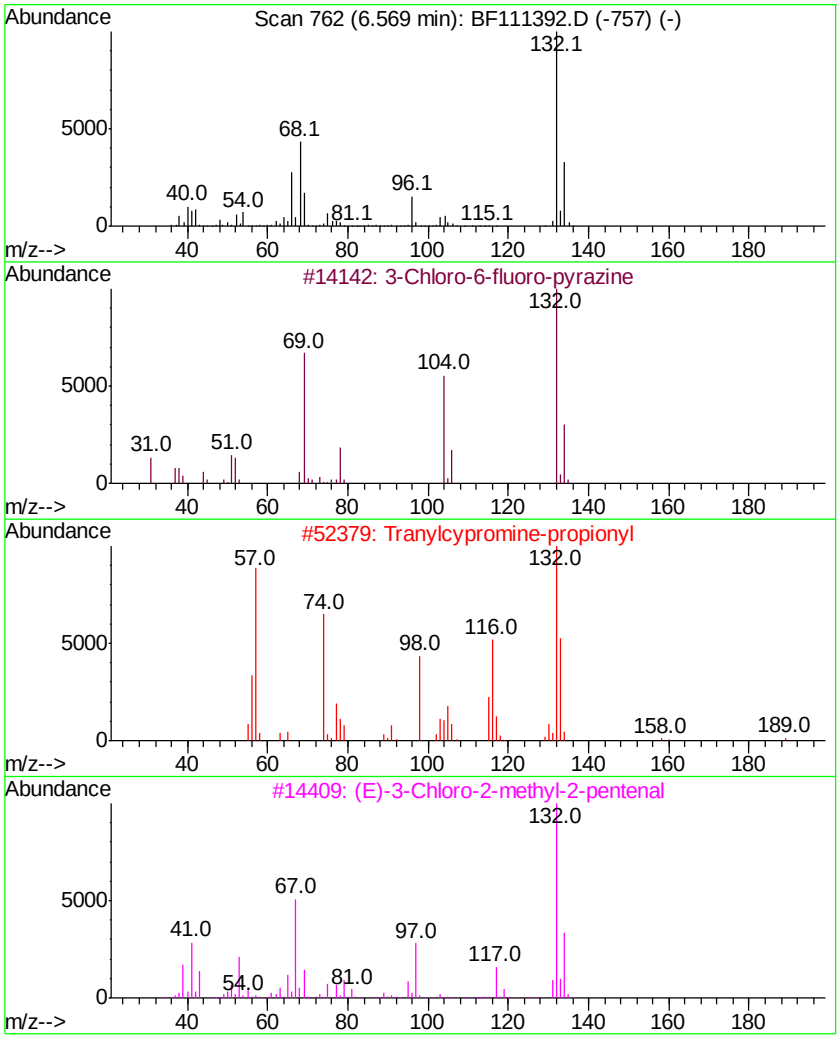
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

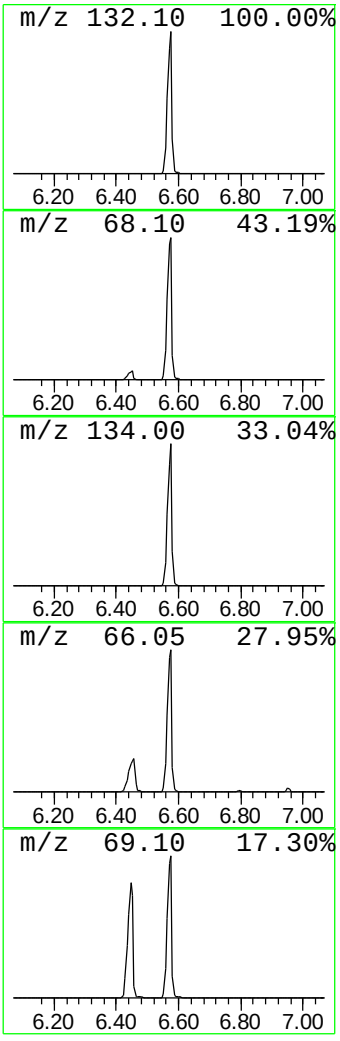
****

Peak Number 3 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	94.38 ng	7221830	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

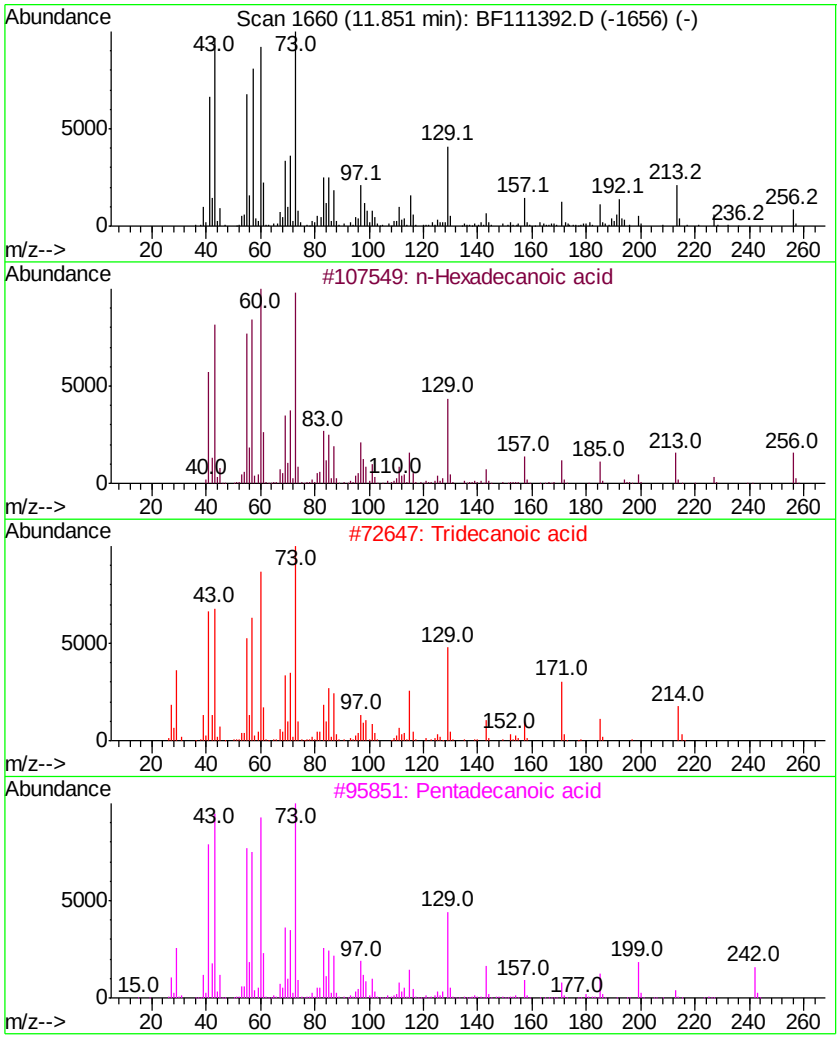
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

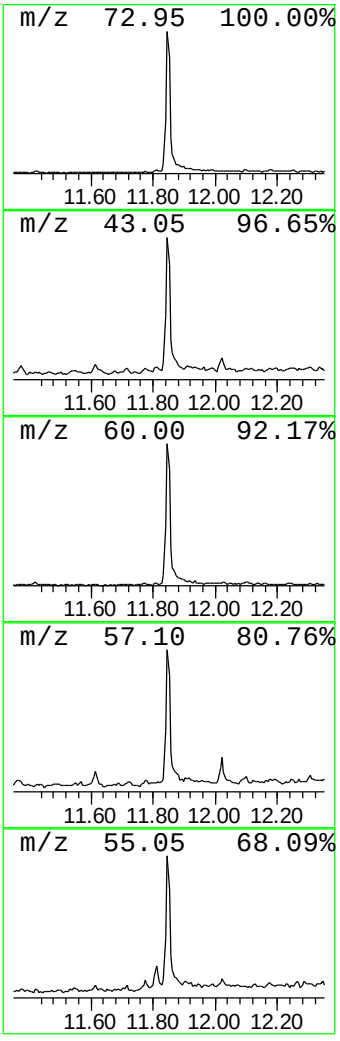
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	9.99 ng	856020	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	56
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

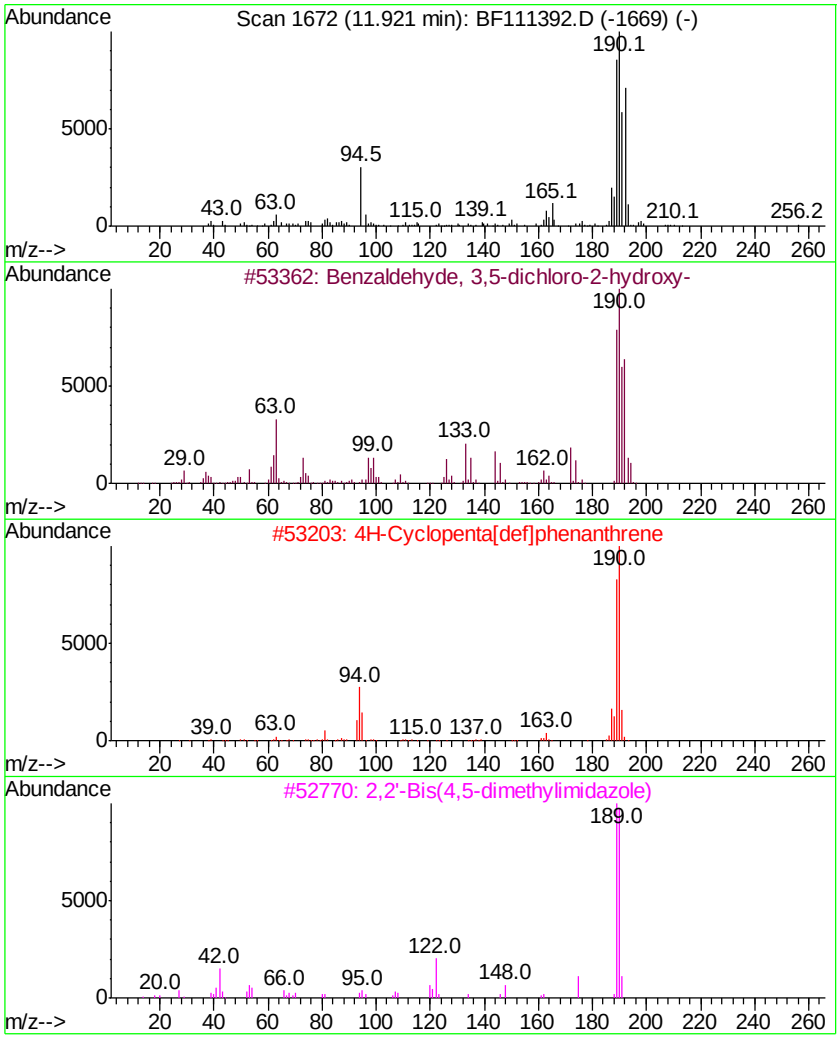
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

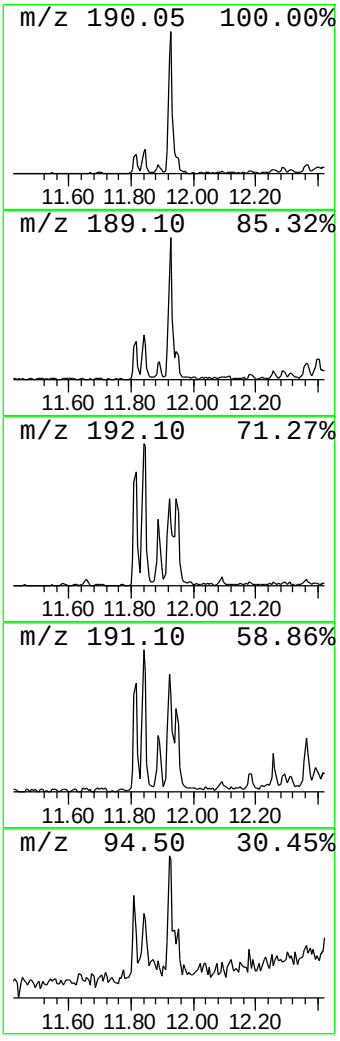
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.69 ng	230527	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

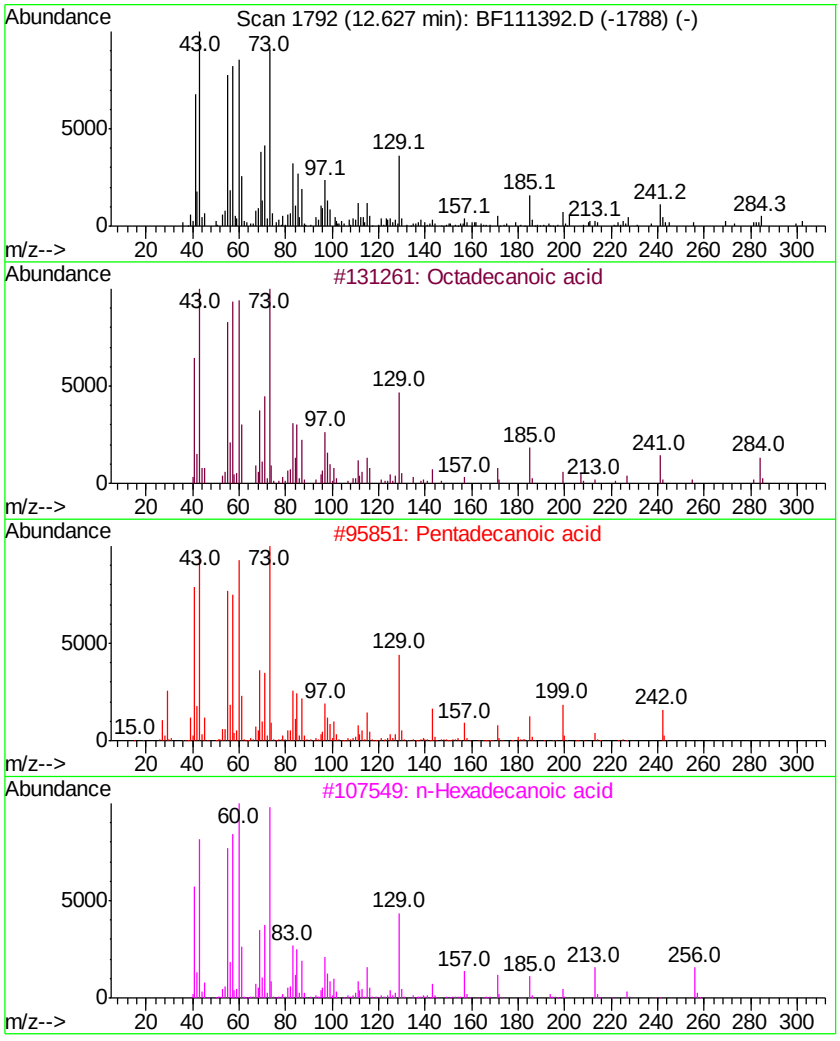
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

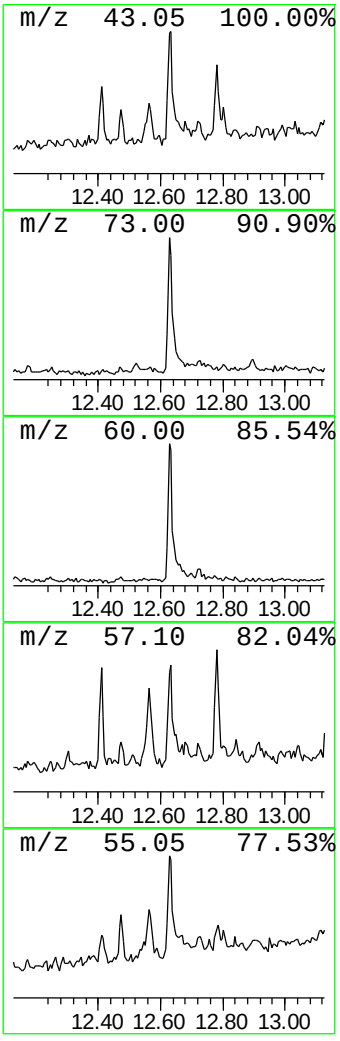
****

Peak Number 7 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.20 ng	360339	Phenanthrene-d10	11.31

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	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
5	Oleic Acid	282	C18H34O2	000112-80-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

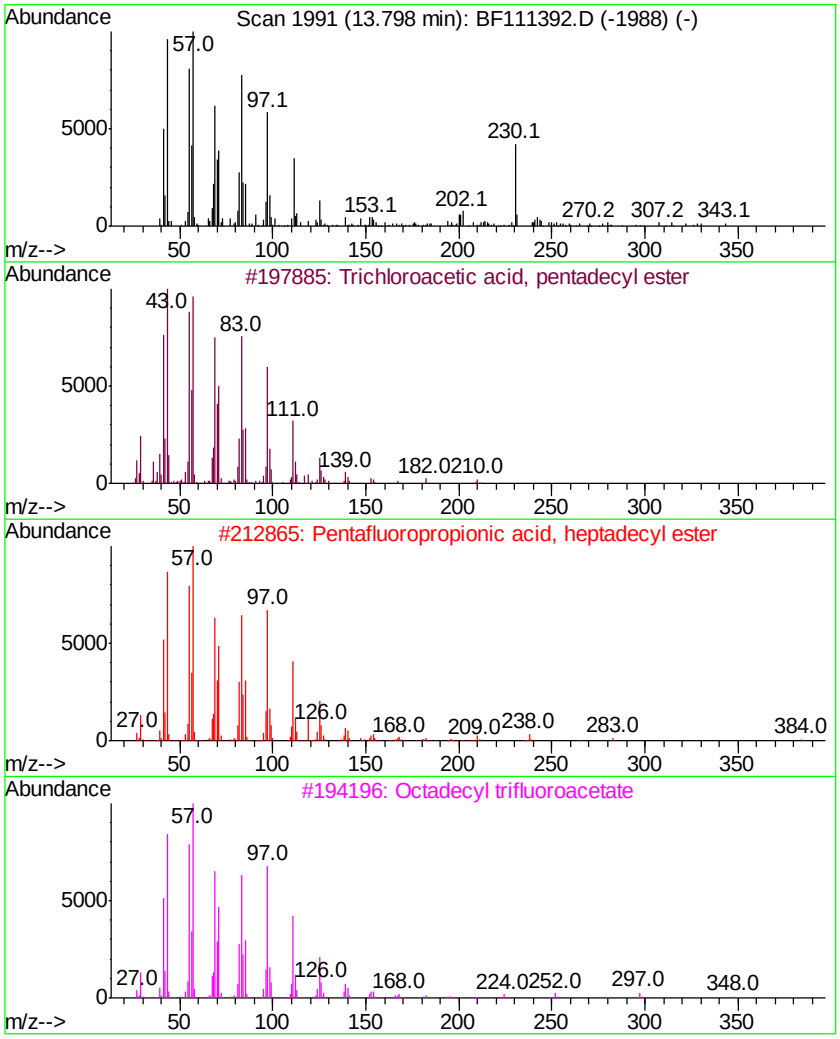
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

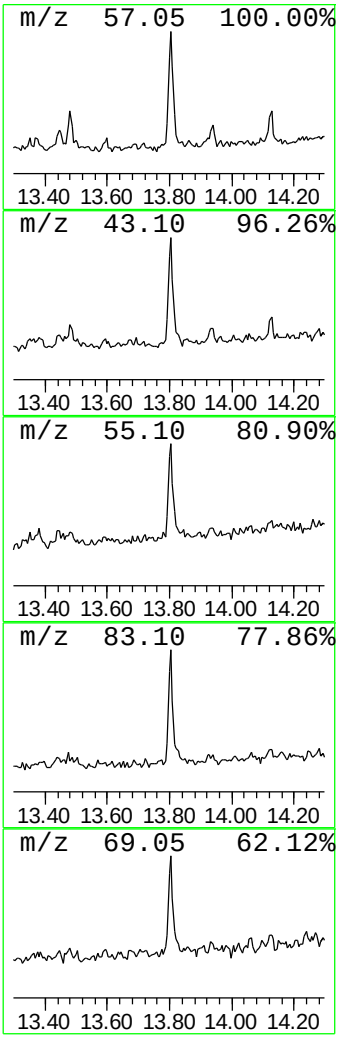
****

Peak Number 8 Trichloroacetic acid, penta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.39 ng	347803	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
3	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
4	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	91
5	1-Tricosene	322	C23H46	018835-32-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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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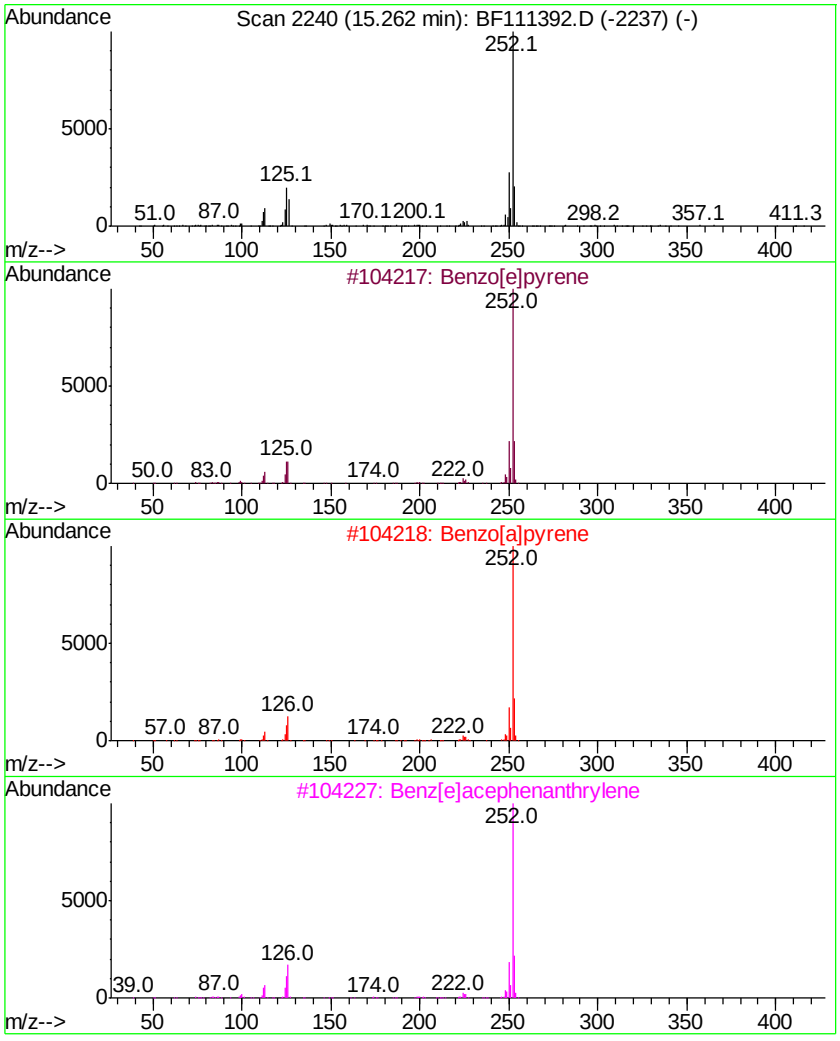
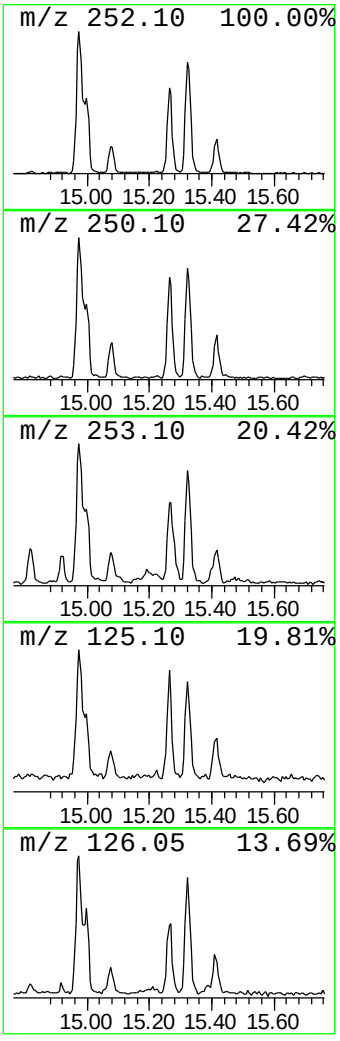
Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	8.04 ng	387062	Perylene-d12	15.39

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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
Propylene Glycol	3.27	4.3	ng	327631	1	6.79	1530450	20.0
2-Pentanone, 4-hy...	5.02	5.9	ng	454375	1	6.79	1530450	20.0
unknown6.57	6.57	94.4	ng	7221830	1	6.79	1530450	20.0
n-Hexadecanoic acid	11.85	10.0	ng	856020	4	11.31	1714560	20.0
Benzaldehyde, 3,5...	11.92	2.7	ng	230527	4	11.31	1714560	20.0
Octadecanoic acid	12.63	4.2	ng	360339	4	11.31	1714560	20.0
Trichloroacetic a...	13.80	3.4	ng	347803	5	13.95	2052830	20.0
Benzo[e]pyrene	15.26	8.0	ng	387062	6	15.39	962597	20.0