LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

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-BF121918.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	2.199	14	19	24	rVB	69190	92587	4.77%	0.360%
2	5.116	510	515	522	rBV	104847	115561	5.96%	0.449%
3	5.540	582	587	590	rBV	2009680	1740836	89.71%	6.762%
4	6.545	753	758	763	rBV	2030175	1940522	100.00%	7.538%
5	6.681	776	781	784	rBV	2002085	1865041	96.11%	7.245%
6	6.904	815	819	822	rBV	1213983	969732	49.97%	3.767%
7	7.063	842	846	849	rBV	1695277	1449394	74.69%	5.630%
8	7.457	906	913	916	rBV	1309438	1137174	58.60%	4.417%
9	8.187	1031	1037	1040	rBV	1466682	1181657	60.89%	4.590%
10	8.775	1134	1137	1141	rVB	41635	33482	1.73%	0.130%
11	9.004	1171	1176	1180	rVB3	17038	24646	1.27%	0.096%
12	9.257	1215	1219	1222	rBV	2379640	1898658	97.84%	7.375%
13	9.339	1230	1233	1238	rBV2	63037	64232	3.31%	0.250%
14	9.645	1282	1285	1290	rVB	247219	219651	11.32%	0.853%
15	9.804	1309	1312	1316	rBV	47852	49043	2.53%	0.191%
16	9.869	1316	1323	1326	rBV	67828	71622	3.69%	0.278%
17	9.939	1332	1335	1339	rBV	1227377	1089075	56.12%	4.230%
18	9.975	1339	1341	1344	rVB	55423	42774	2.20%	0.166%
19	10.145	1367	1370	1374	rVB	32230	35817	1.85%	0.139%
20	10.186	1374	1377	1382	rBV6	19959	28439	1.47%	0.110%
21	10.369	1406	1408	1411	rVB	79507	57411	2.96%	0.223%
22	10.486	1425	1428	1435	rBV	65910	65671	3.38%	0.255%
23	10.592	1441	1446	1451	rBV	31430	43072	2.22%	0.167%
24	10.727	1463	1469	1473	rBV	1160320	998610	51.46%	3.879%
25	10.845	1485	1489	1495	rVB	74514	100960	5.20%	0.392%
26	11.292	1562	1565	1567	rBV	60279	47686	2.46%	0.185%
27	11.322	1567	1570	1575	rVB	51002	56092	2.89%	0.218%
28	11.427	1584	1588	1590	rBV	1137562	940626	48.47%	3.654%
29	11.451	1590	1592	1595	rVV	220324	173453	8.94%	0.674%
30	11.504	1598	1601	1604	rVB	101898	91540	4.72%	0.356%
31	11.657	1621	1627	1635	rBV	38180	69563	3.58%	0.270%
32	11.716	1635	1637	1640	rBV2	62288	51411	2.65%	0.200%
33	11.816	1650	1654	1657	rBV	567069	445353	22.95%	1.730%
34	11.927	1670	1673	1675	rBV	56465	54434	2.81%	0.211%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

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-BF121918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.957	1675	1678	1683	rVB	89425	97147	5.01%	0.377%
36	12.004	1683	1686	1688	rBV	32547	31571	1.63%	0.123%
37	12.039	1688	1692	1695	rVV	93977	111520	5.75%	0.433%
38	12.063	1695	1696	1700	rVB	54788	33628	1.73%	0.131%
39	12.127	1704	1707	1710	rVB2	45691	46546	2.40%	0.181%
40	12.222	1720	1723	1725	rBV	54958	45597	2.35%	0.177%
41	12.404	1752	1754	1756	rBV	25177	22881	1.18%	0.089%
42	12.504	1767	1771	1772	rBV	1870159	1542312	79.48%	5.991%
43	12.522	1772	1774	1779	rVB2	1275172	1075018	55.40%	4.176%
44	12.604	1786	1788	1791	rVB	208956	175364	9.04%	0.681%
45	12.639	1791	1794	1798	rBV	463591	391174	20.16%	1.519%
46	12.686	1799	1802	1803	rBV3	28506	29842	1.54%	0.116%
47	12.733	1808	1810	1813	rBV2	27625	35013	1.80%	0.136%
48	12.869	1827	1833	1840	rBV	450313	522710	26.94%	2.030%
49	13.010	1853	1857	1860	rBV	1831193	1462479	75.37%	5.681%
50	13.086	1868	1870	1873	rBV2	43276	50811	2.62%	0.197%
51	13.198	1887	1889	1892	rVB	92931	78995	4.07%	0.307%
52	13.239	1894	1896	1898	rBV2	70947	65767	3.39%	0.255%
53	13.263	1898	1900	1903	rVB2	60454	54624	2.81%	0.212%
54	13.304	1904	1907	1909	rBV2	79076	70233	3.62%	0.273%
55	13.392	1920	1922	1925	rBV	49620	38467	1.98%	0.149%
56	13.580	1952	1954	1957	rBV	57595	63038	3.25%	0.245%
57	13.910	2007	2010	2015	rVB2	124913	158251	8.16%	0.615%
58	14.068	2032	2037	2040	rBV2	1208185	1290649	66.51%	5.013%
59	14.092	2040	2041	2044	rVB	227151	128147	6.60%	0.498%
60	15.121	2213	2216	2219	rBV	163164	232295	11.97%	0.902%
61	15.562	2287	2291	2294	rBV	505330	644269	33.20%	2.503%

Sum of corrected areas: 25744173

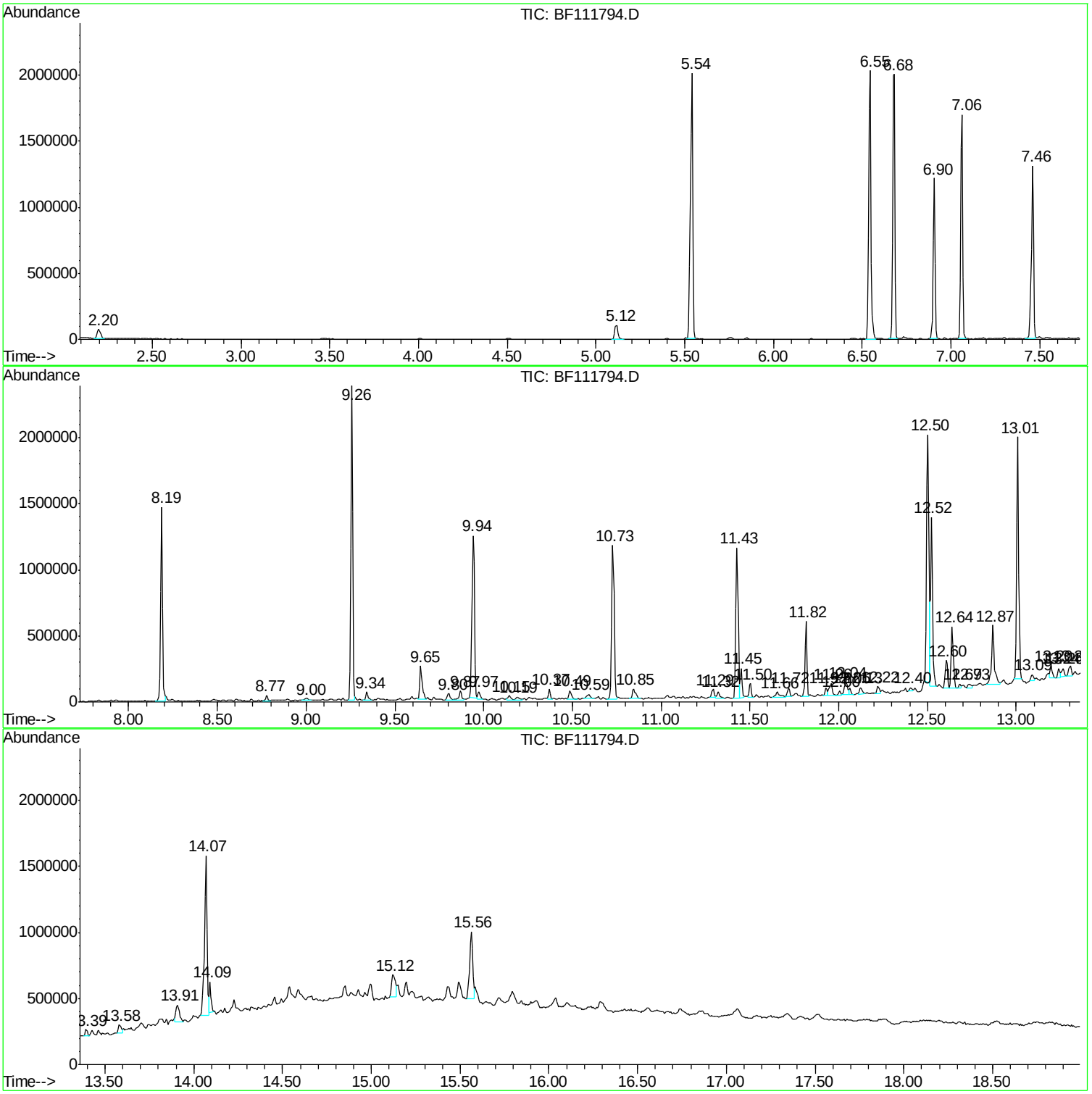
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

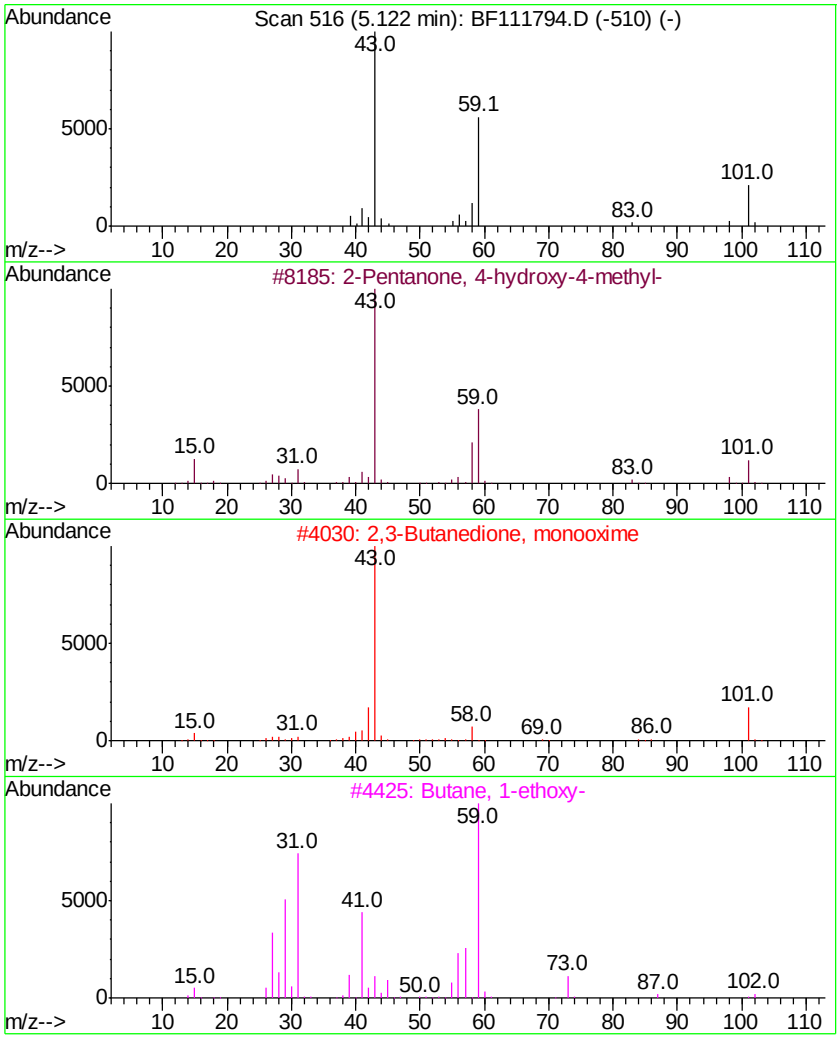
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

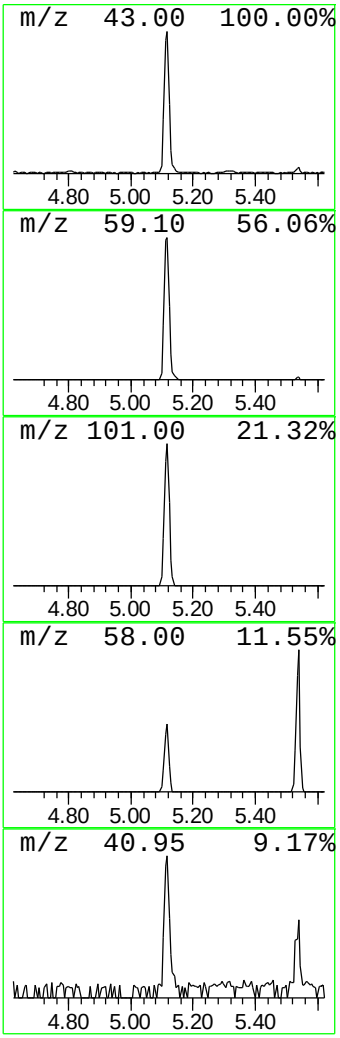
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	2.38 ng	115561	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	3-Heptanol	116	C7H16O	000589-82-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

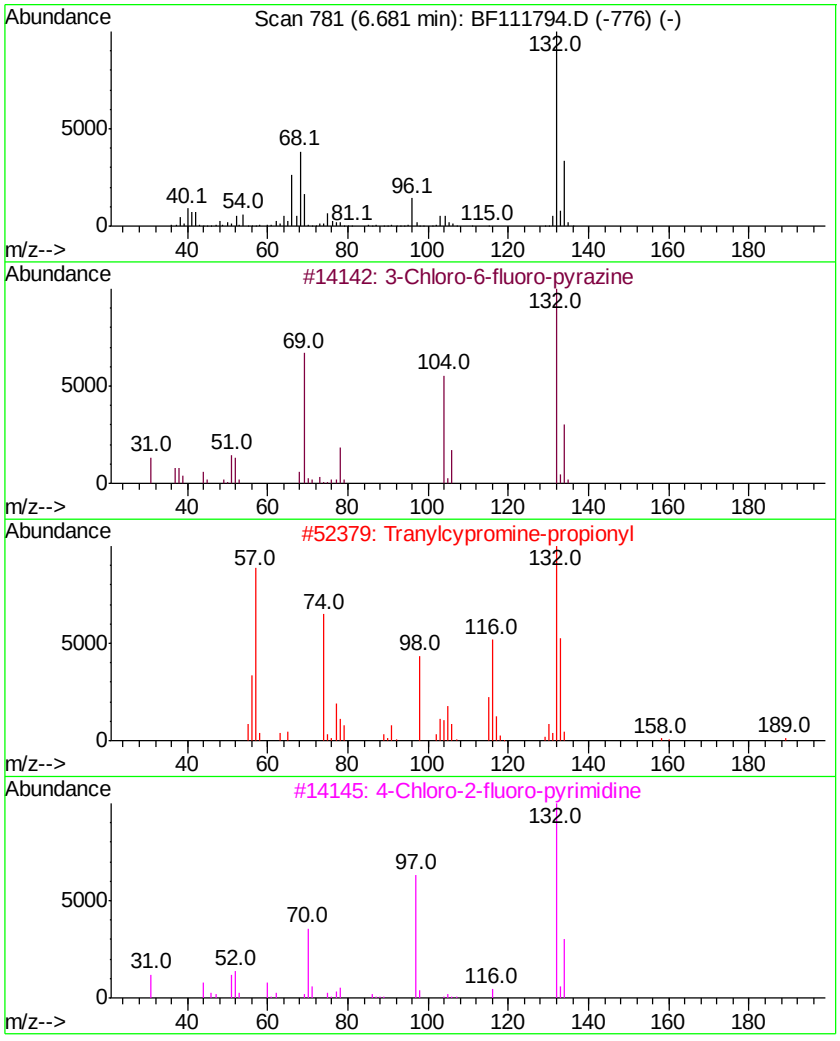
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

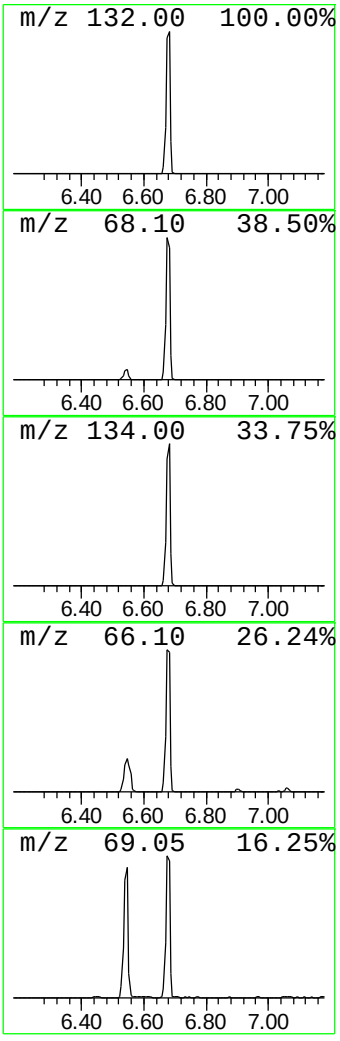
****

Peak Number 2 unknown6.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	38.47 ng	1865040	1,4-Dichlorobenzene-d4	6.90

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	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

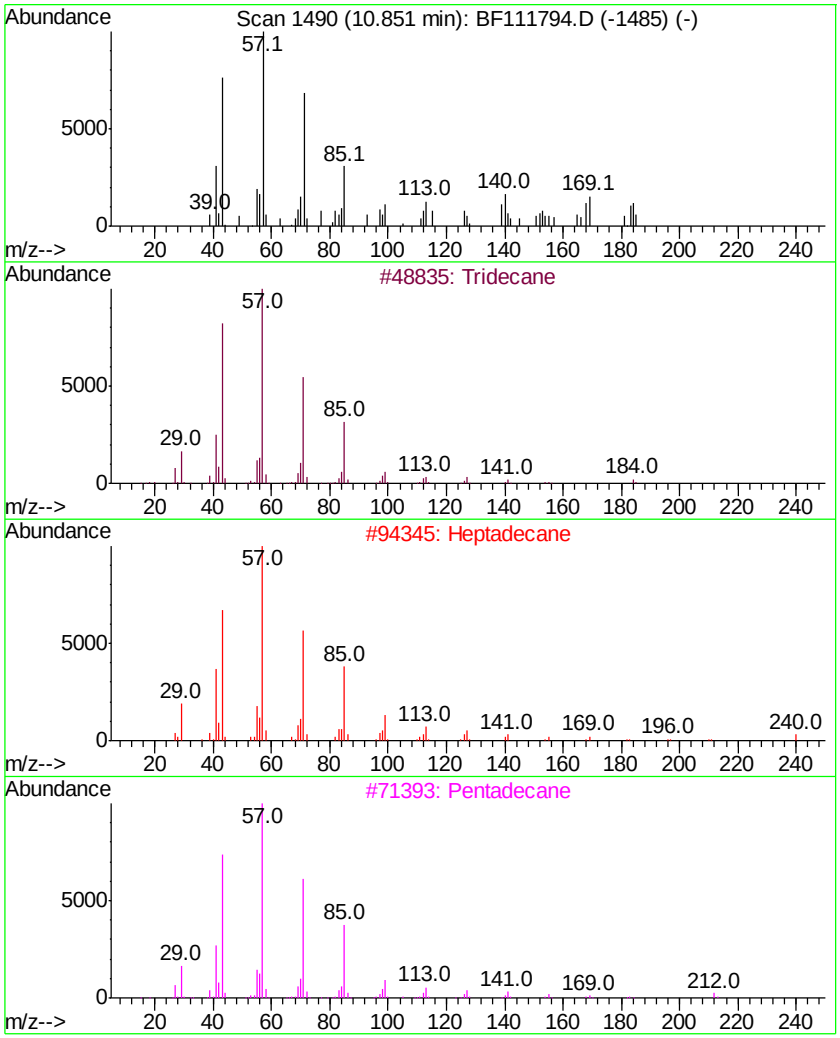
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

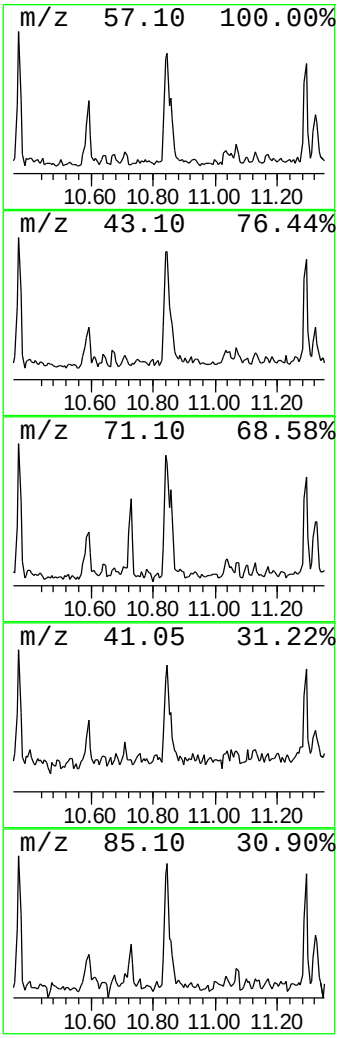
****

Peak Number 4 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.15 ng	100960	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Heptadecane	240	C17H36	000629-78-7	87
3	Pentadecane	212	C15H32	000629-62-9	87
4	Eicosane	282	C20H42	000112-95-8	87
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

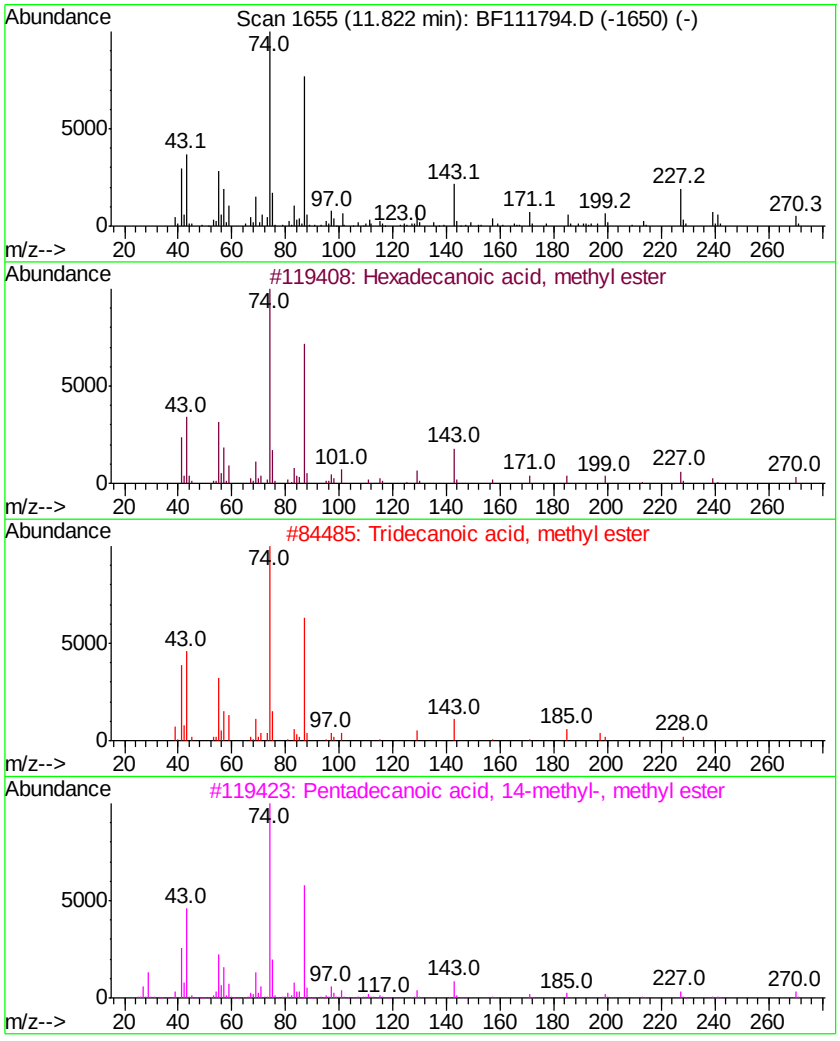
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

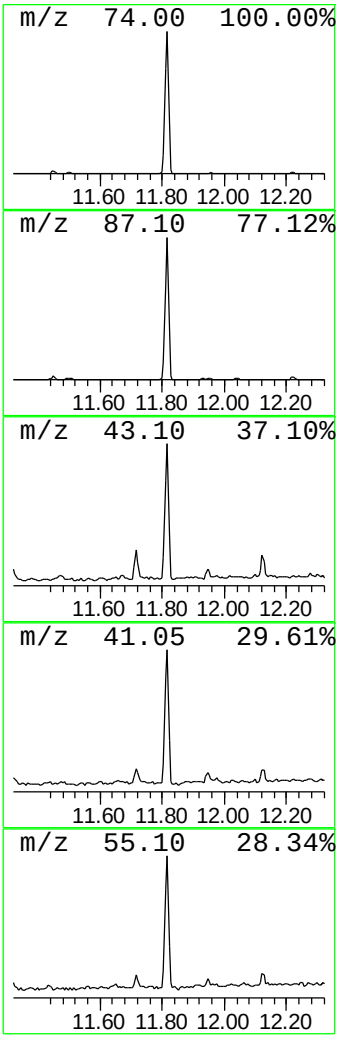
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	9.47 ng	445353	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

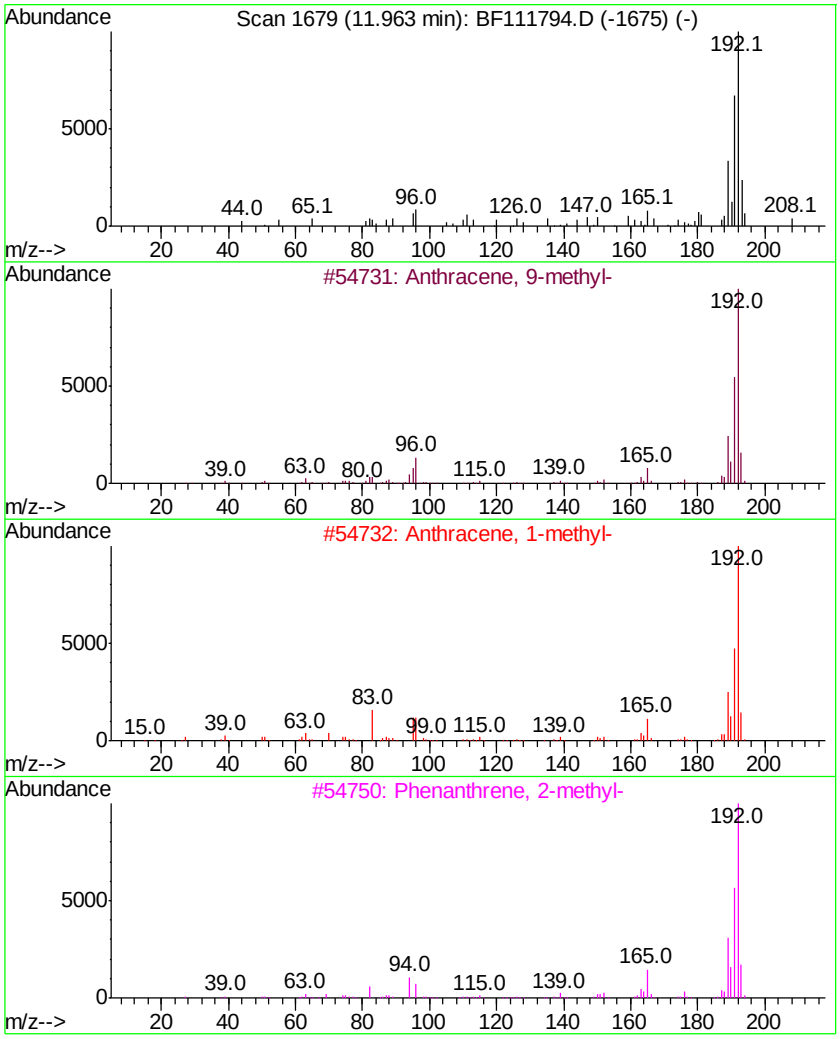
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

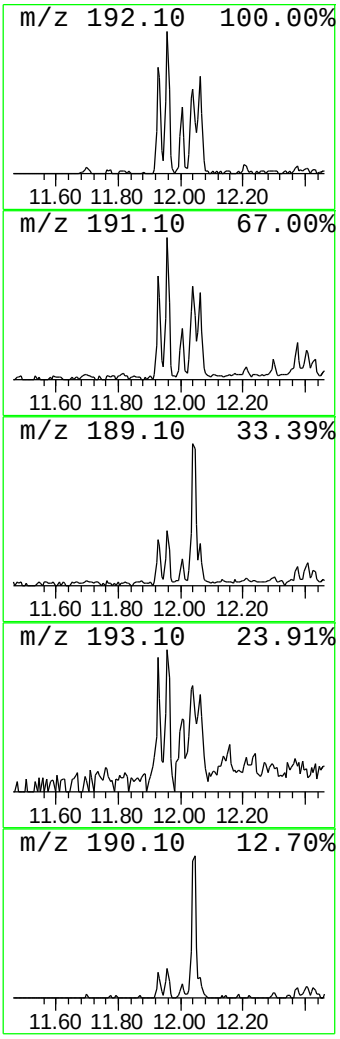
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.07 ng	97147	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

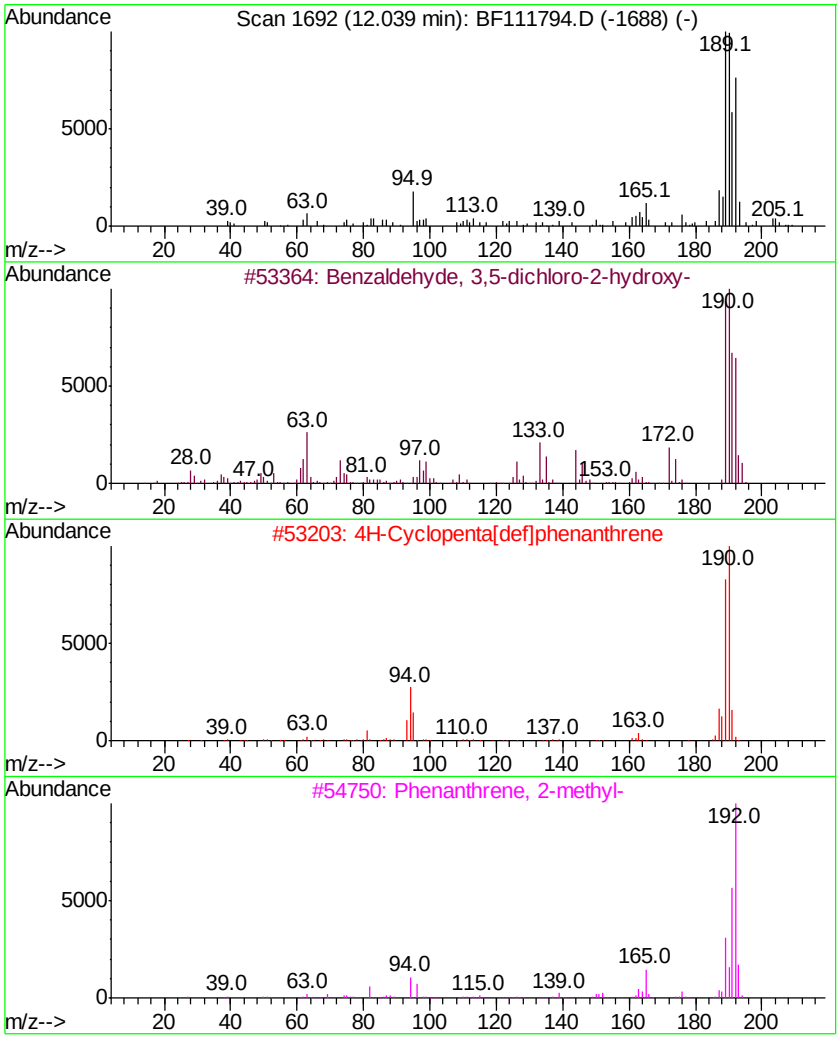
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

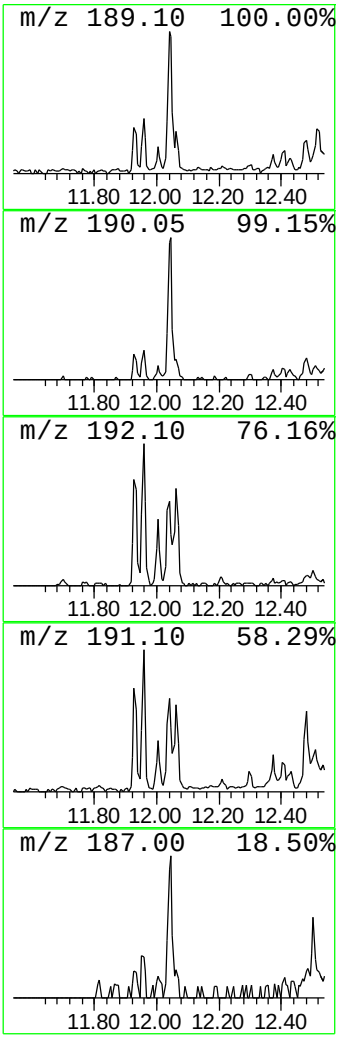
****

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.37 ng	111520	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

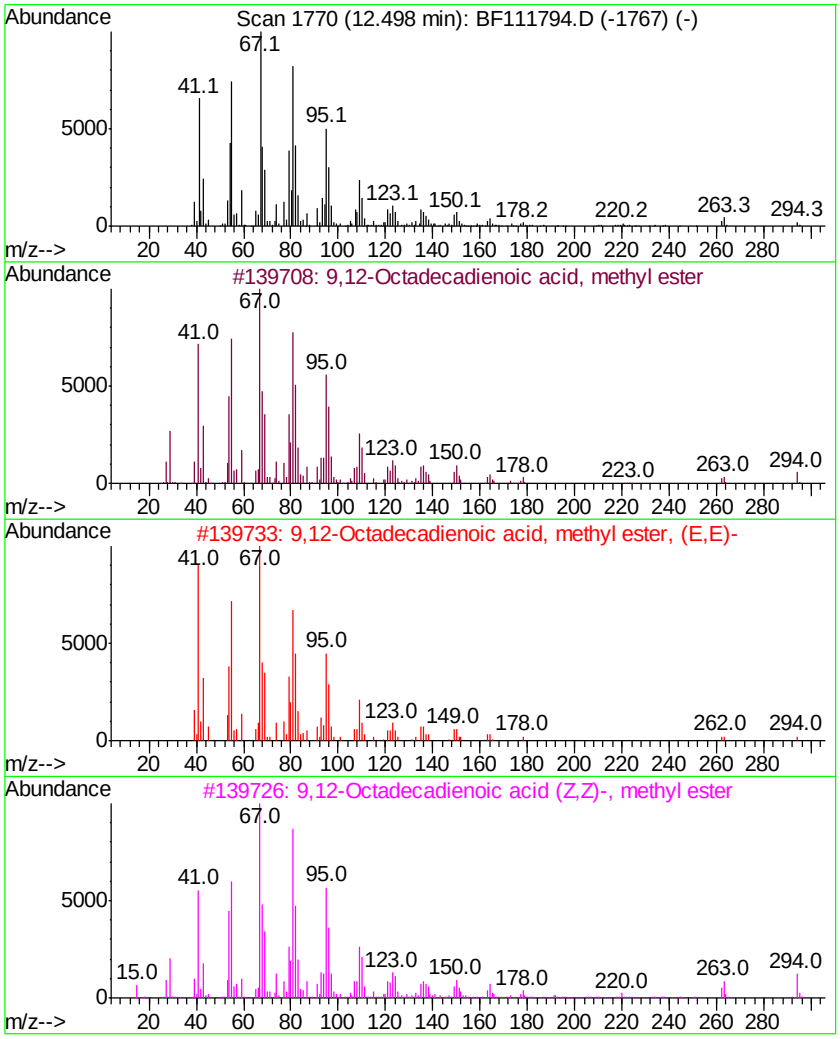
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

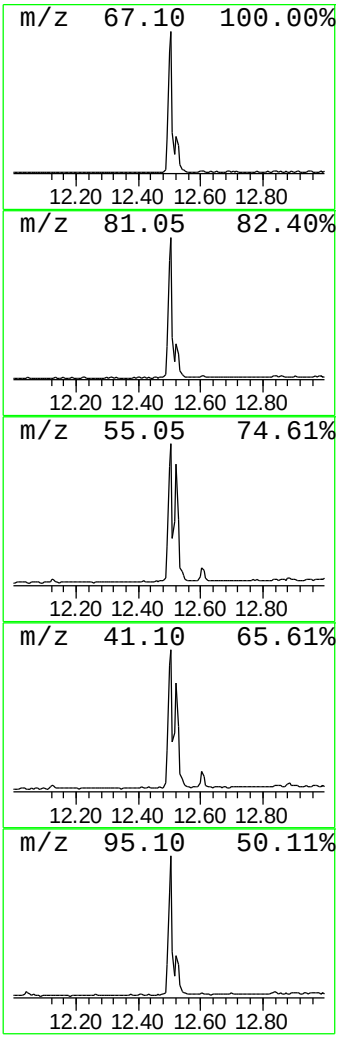
****

Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	32.79 ng	1542310	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

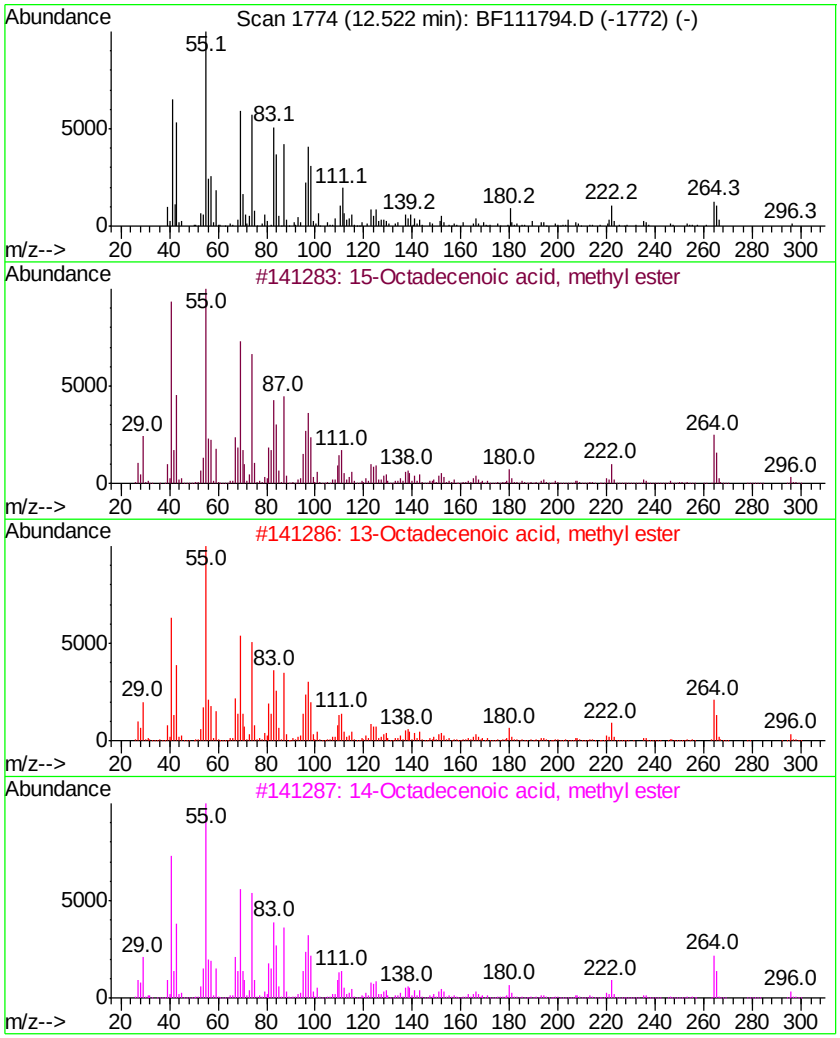
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

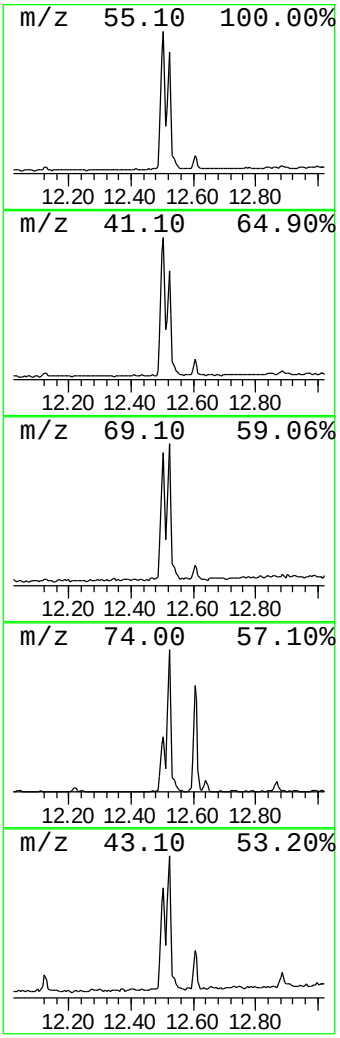
****

Peak Number 9 15-Octadecenoic acid, methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	22.86 ng	1075020	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	93
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	91
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	87
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	86
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

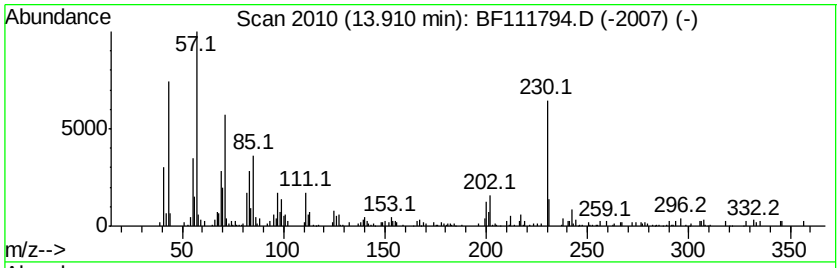
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

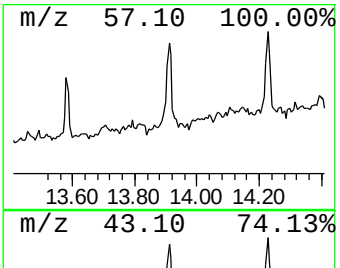
****

Peak Number 10 unknown13.91 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	2.45 ng	158251	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	42
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	41
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	40
5	Ethyl 2-ethoxyquinoline-4-carbox...	245	C14H15NO3	005471-39-6	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122818\
Data File : BF111794.D
Acq On : 28 Dec 2018 17:45
Operator : JU/SJ
Sample : J6193-17 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-122718-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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
2-Pentanone, 4-hy...	5.12	2.4	ng	115561	1	6.90	969732	20.0
unknown6.68	6.68	38.5	ng	1865040	1	6.90	969732	20.0
Tridecane	10.85	2.1	ng	100960	4	11.43	940626	20.0
Hexadecanoic acid...	11.82	9.5	ng	445353	4	11.43	940626	20.0
Anthracene, 9-met...	11.96	2.1	ng	97147	4	11.43	940626	20.0
Benzaldehyde, 3,5...	12.04	2.4	ng	111520	4	11.43	940626	20.0
9,12-Octadecadien...	12.50	32.8	ng	1542310	4	11.43	940626	20.0
15-Octadecenoic a...	12.52	22.9	ng	1075020	4	11.43	940626	20.0
unknown13.91	13.91	2.5	ng	158251	5	14.07	1290650	20.0