LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

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-BF091020.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	5.004	492	496	506	rVB	39457	52052	1.65%	0.176%
2	5.410	560	565	568	rBV	2754878	2685170	85.14%	9.101%
3	6.422	732	737	751	rBV2	2773229	2908898	92.24%	9.859%
4	6.616	767	770	783	rBV	108595	120704	3.83%	0.409%
5	6.786	795	799	802	rBV	957739	839378	26.61%	2.845%
6	7.351	889	895	898	rBV	1819044	1828835	57.99%	6.198%
7	8.069	1012	1017	1019	rBV	1259418	1069735	33.92%	3.626%
8	8.086	1019	1020	1025	rVB	94140	65607	2.08%	0.222%
9	9.145	1194	1200	1203	rBV	3576657	3153782	100.00%	10.689%
10	9.539	1263	1267	1270	rBV	466571	380288	12.06%	1.289%
11	9.680	1289	1291	1299	rVB	57628	47743	1.51%	0.162%
12	9.822	1309	1315	1318	rBV	1394516	1154291	36.60%	3.912%
13	9.851	1318	1320	1324	rVB	95195	86454	2.74%	0.293%
14	10.027	1346	1350	1354	rBV	77068	72644	2.30%	0.246%
15	10.369	1404	1408	1412	rVB	128541	103908	3.29%	0.352%
16	10.610	1445	1449	1453	rBV	1937679	1727576	54.78%	5.855%
17	10.727	1465	1469	1473	rBV4	26023	38713	1.23%	0.131%
18	10.916	1495	1501	1504	rBV3	30687	38473	1.22%	0.130%
19	11.110	1531	1534	1538	rVB	43012	40358	1.28%	0.137%
20	11.168	1538	1544	1547	rVV4	23671	48289	1.53%	0.164%
21	11.204	1547	1550	1555	rVB	61321	57086	1.81%	0.193%
22	11.310	1563	1568	1570	rBV	1139259	1210420	38.38%	4.102%
23	11.333	1570	1572	1575	rVV	999011	761648	24.15%	2.581%
24	11.380	1577	1580	1583	rVB	286582	226542	7.18%	0.768%
25	11.539	1601	1607	1615	rBV2	93237	106879	3.39%	0.362%
26	11.810	1648	1653	1655	rBV	109841	102559	3.25%	0.348%
27	11.833	1655	1657	1661	rVV	169402	155222	4.92%	0.526%
28	11.880	1662	1665	1668	rVV2	64650	64038	2.03%	0.217%
29	11.921	1668	1672	1674	rVV	189551	203226	6.44%	0.689%
30	11.939	1674	1675	1680	rVB	72032	57640	1.83%	0.195%
31	12.104	1700	1703	1705	rBV	77849	63303	2.01%	0.215%
32	12.127	1705	1707	1710	rVB	51699	44066	1.40%	0.149%
33	12.251	1723	1728	1731	rBV3	30876	37025	1.17%	0.125%
34	12.357	1742	1746	1749	rBV	60076	68830	2.18%	0.233%

LSC Area Percent Report

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Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.398	1749	1753	1755	rVV2	56617	64862	2.06%	0.220%
36	12.445	1758	1761	1766	rVB2	59307	69261	2.20%	0.235%
37	12.521	1770	1774	1777	rBV	1239004	1059418	33.59%	3.591%
38	12.668	1792	1799	1803	rBV3	43300	83199	2.64%	0.282%
39	12.745	1806	1812	1815	rVV	920264	1042217	33.05%	3.532%
40	12.798	1818	1821	1824	rVB2	50199	56855	1.80%	0.193%
41	12.892	1833	1837	1844	rVB	3116659	2920306	92.60%	9.898%
42	12.962	1844	1849	1853	rBV4	68528	125602	3.98%	0.426%
43	13.051	1861	1864	1865	rBV3	51782	50216	1.59%	0.170%
44	13.074	1865	1868	1872	rVB	141820	133677	4.24%	0.453%
45	13.139	1874	1879	1882	rBV2	112825	115561	3.66%	0.392%
46	13.180	1882	1886	1888	rBV2	85610	96451	3.06%	0.327%
47	13.268	1899	1901	1904	rVB	47175	38723	1.23%	0.131%
48	13.304	1904	1907	1910	rBV2	49505	54982	1.74%	0.186%
49	13.580	1952	1954	1958	rVB	67580	65394	2.07%	0.222%
50	13.692	1970	1973	1976	rBV2	67370	75509	2.39%	0.256%
51	13.721	1976	1978	1980	rVB	64332	49130	1.56%	0.167%
52	13.798	1987	1991	2001	rBV2	273175	485470	15.39%	1.645%
53	13.945	2011	2016	2019	rBV2	1166424	1396164	44.27%	4.732%
54	13.968	2019	2020	2026	rVB	408542	299431	9.49%	1.015%
55	14.051	2031	2034	2036	rVB	74111	55516	1.76%	0.188%
56	14.974	2187	2191	2194	rBV	305016	449689	14.26%	1.524%
57	15.268	2238	2241	2247	rVB	142428	171076	5.42%	0.580%
58	15.327	2248	2251	2256	rVB	242849	266344	8.45%	0.903%
59	15.392	2257	2262	2265	rBV	551541	658322	20.87%	2.231%

Sum of corrected areas: 29504757

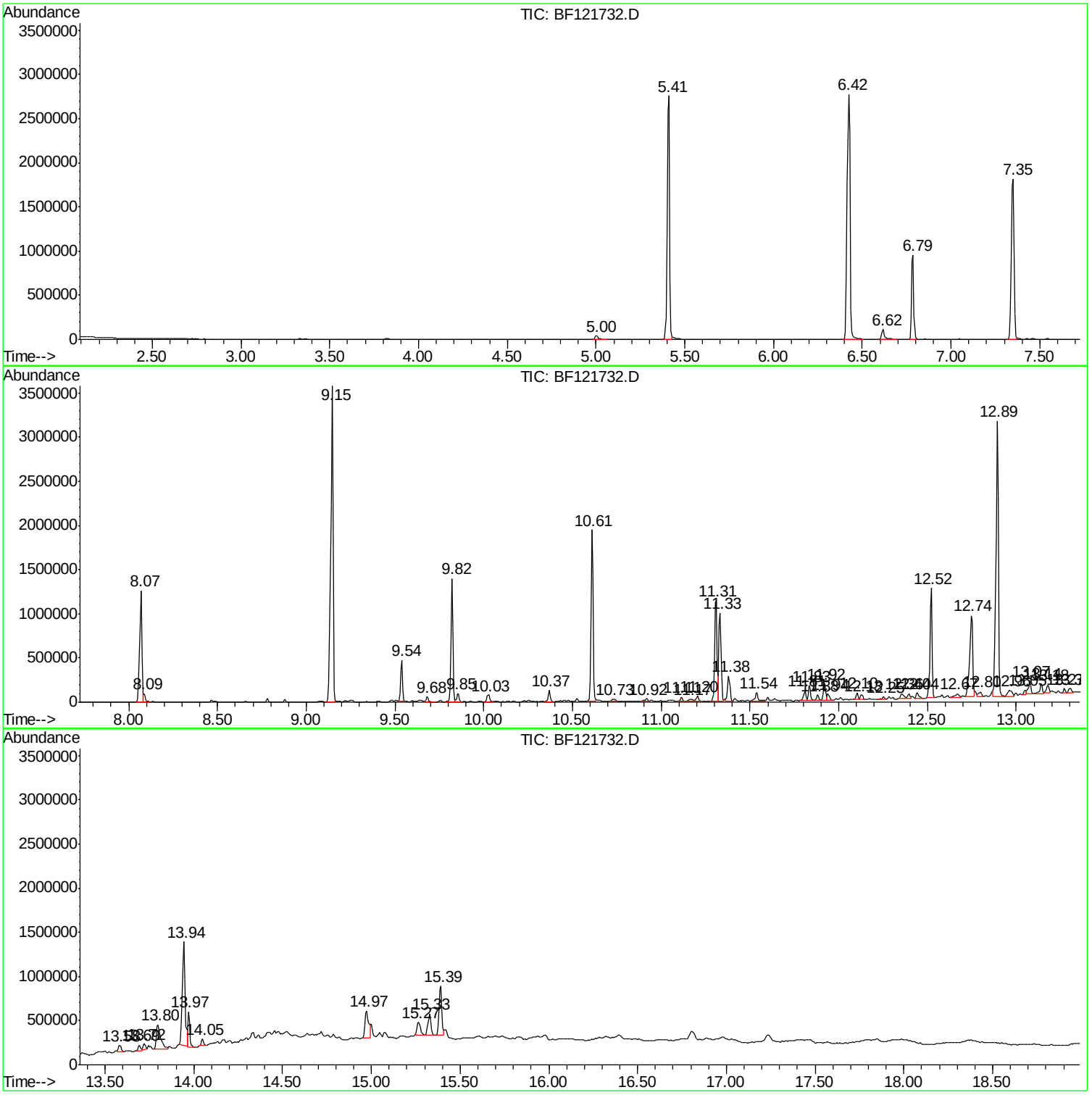
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

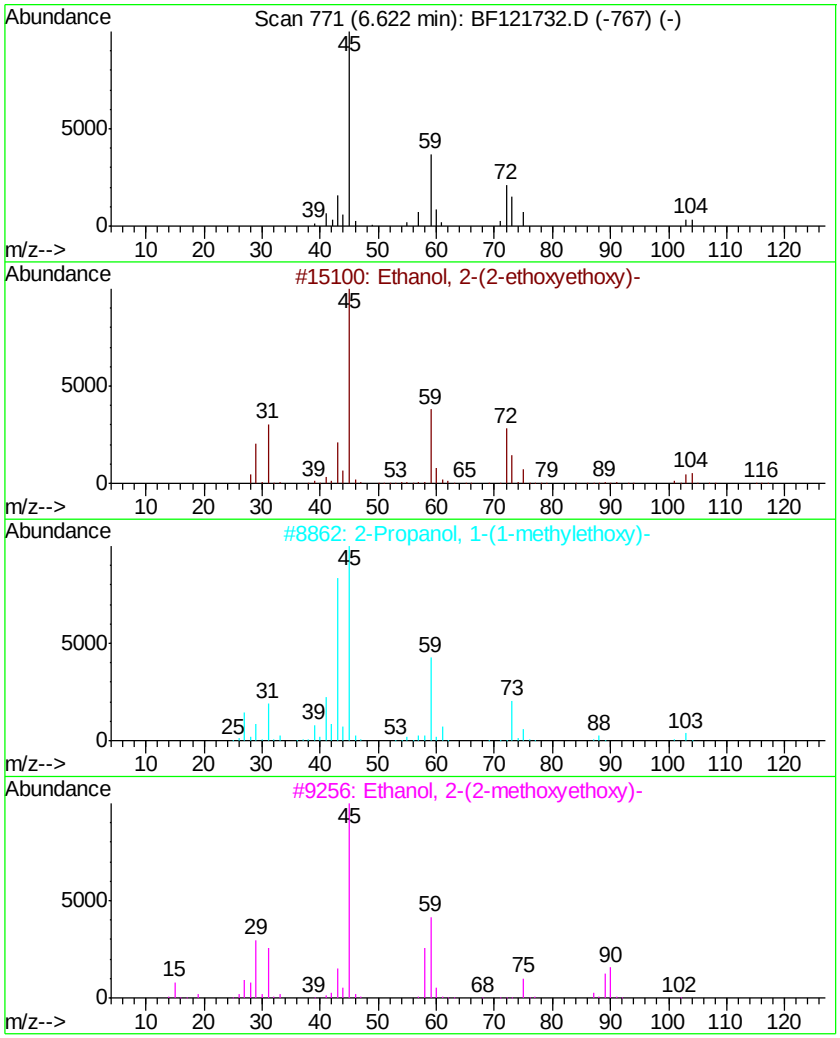
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

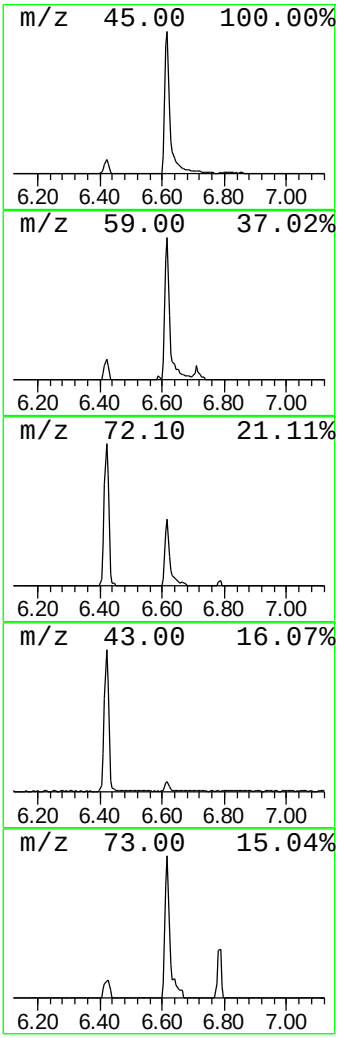
****

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	2.88 ng	120704	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	90
2	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45
3	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	42
4	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	38
5	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	32





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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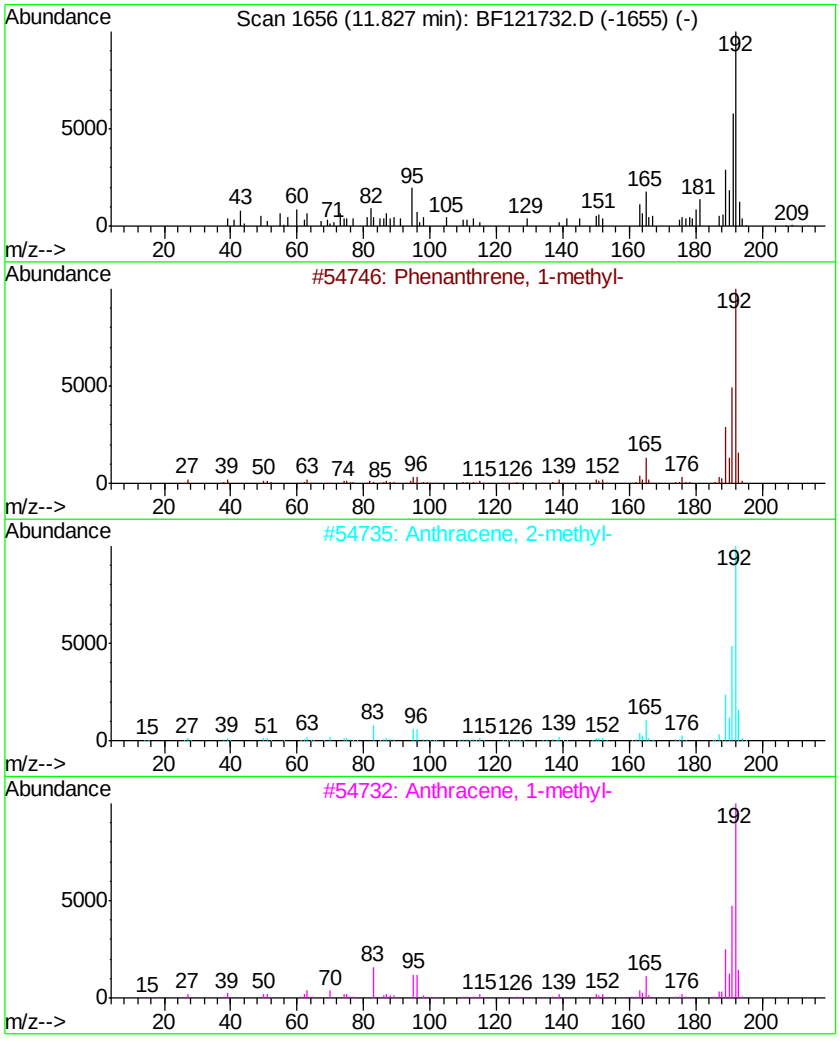
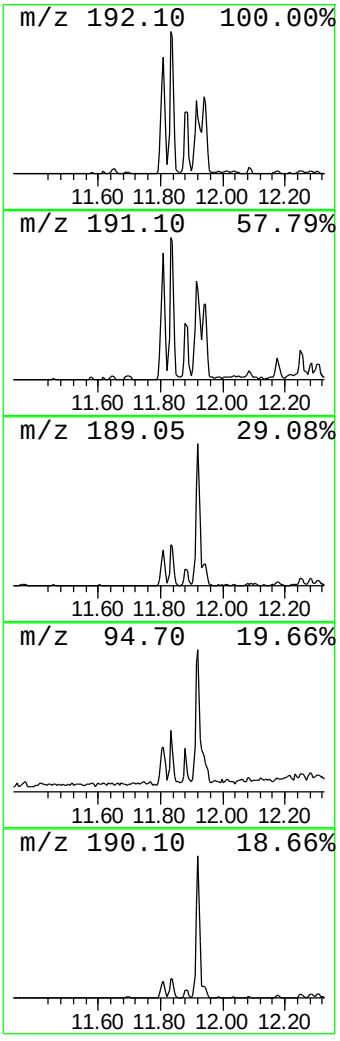
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.56 ng	155222	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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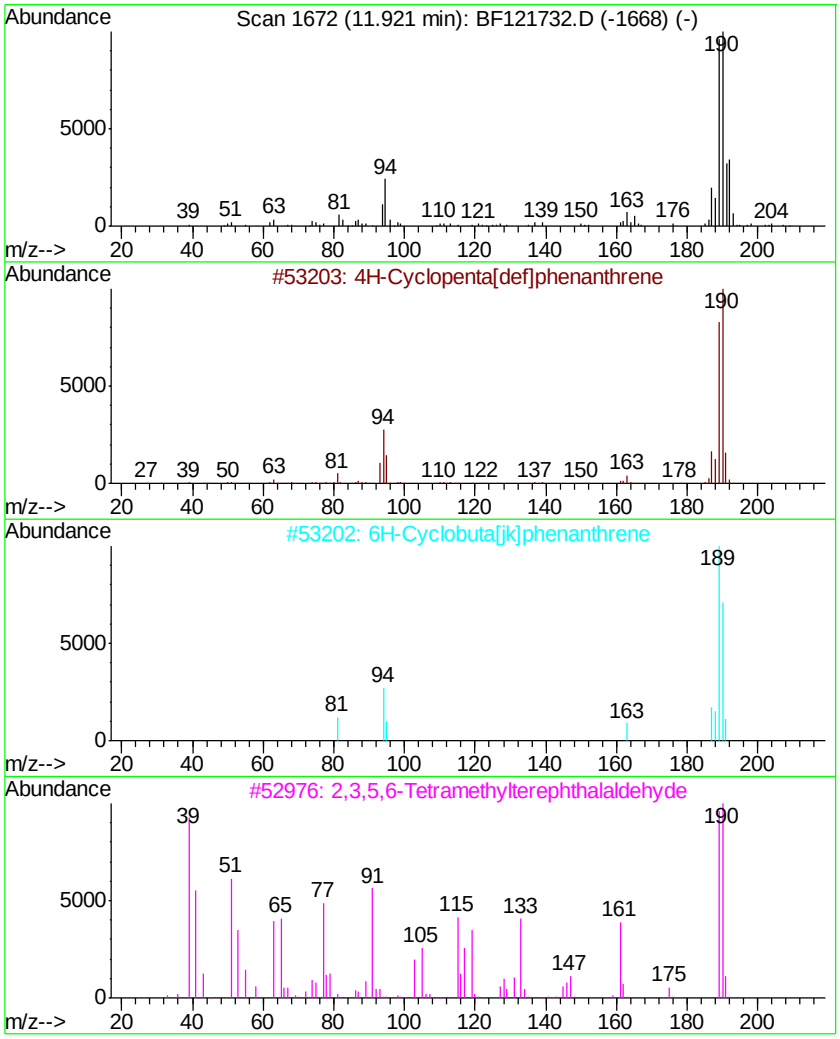
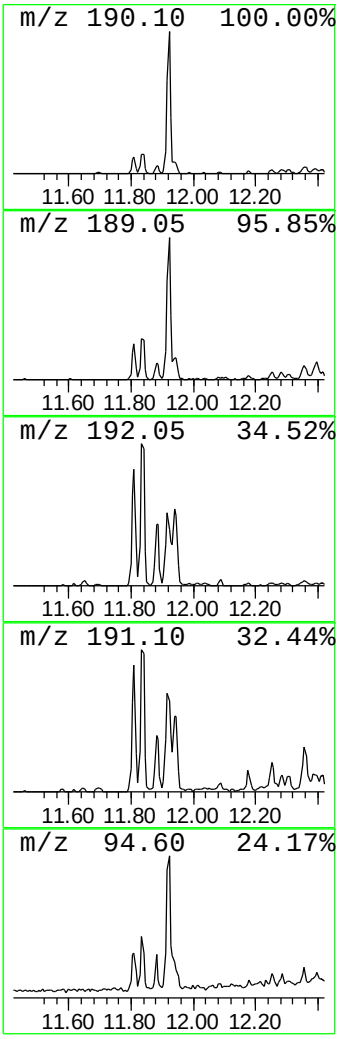
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.36 ng	203226	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

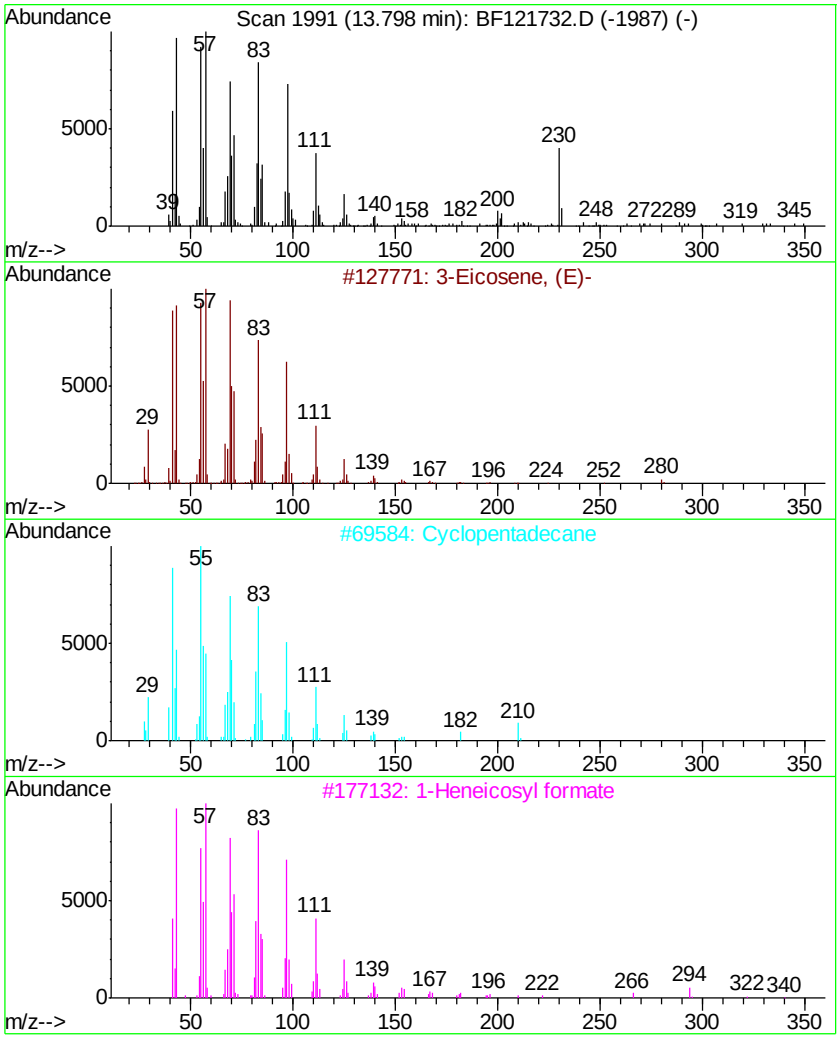
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

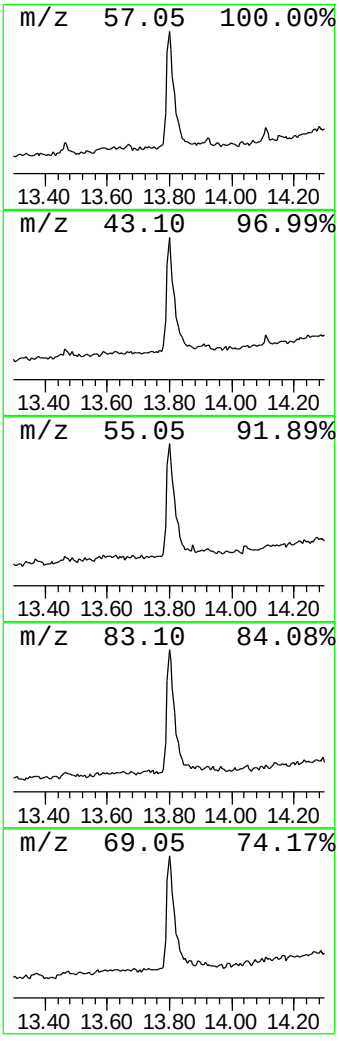
****

Peak Number 4 3-Eicosene, (E)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.95 ng	485470	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	97
2	Cyclopentadecane	210	C15H30	000295-48-7	96
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	93





Library Search Compound Report

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

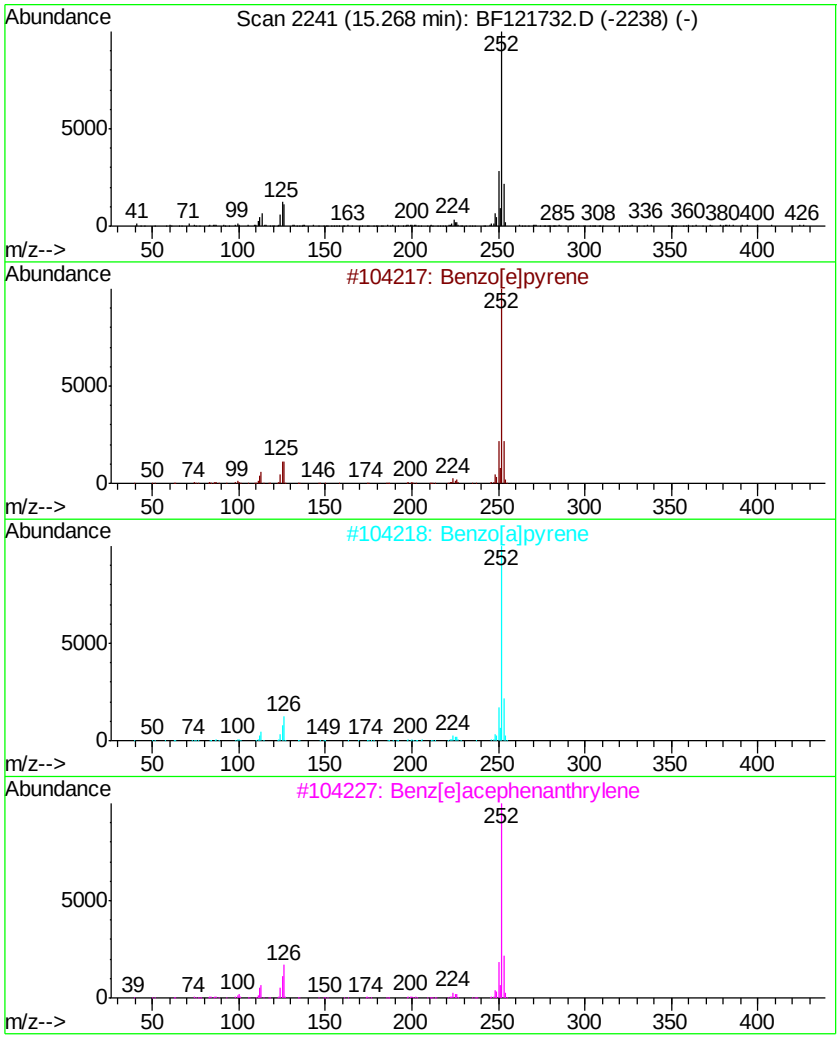
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

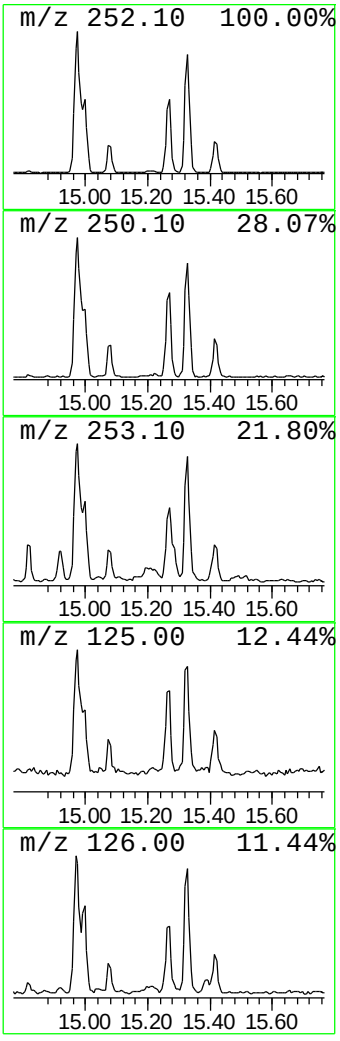
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	5.20 ng	171076	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	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
Data File : BF121732.D
Acq On : 29 Sep 2020 15:46
Operator : JU/CG
Sample : L4172-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-8(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
Ethanol, 2-(2-eth...	6.62	2.9	ng	120704	1	6.79	839378	20.0
Phenanthrene, 1-m...	11.83	2.6	ng	155222	4	11.31	1210420	20.0
4H-Cyclopenta[def...	11.92	3.4	ng	203226	4	11.31	1210420	20.0
3-Eicosene, (E)-	13.80	7.0	ng	485470	5	13.94	1396160	20.0
Benzo[e]pyrene	15.27	5.2	ng	171076	6	15.39	658322	20.0