LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-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-BF082720.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	2.134	3	8	25	rVB	1781161	2410010	45.30%	4.450%
2	5.069	503	507	514	rVB	87397	118541	2.23%	0.219%
3	5.469	570	575	578	rBV	4357133	4012812	75.43%	7.409%
4	6.481	742	747	750	rBV	4329247	4106384	77.18%	7.582%
5	6.681	778	781	786	rBV2	210336	238506	4.48%	0.440%
6	6.851	807	810	817	rVB	1948791	1647998	30.98%	3.043%
7	7.416	896	906	909	rBV	3324019	2938520	55.23%	5.425%
8	7.451	910	912	916	rVB	96028	88800	1.67%	0.164%
9	8.139	1023	1029	1032	rBV	2495991	2171723	40.82%	4.010%
10	9.216	1207	1212	1215	rBV	6227113	5320199	100.00%	9.823%
11	9.486	1253	1258	1261	rBV2	83719	103182	1.94%	0.191%
12	9.551	1266	1269	1272	rVV	84123	80263	1.51%	0.148%
13	9.610	1276	1279	1283	rVB	793350	669287	12.58%	1.236%
14	9.757	1300	1304	1308	rVB	81690	79520	1.49%	0.147%
15	9.898	1321	1328	1331	rBV	2540195	2378163	44.70%	4.391%
16	9.928	1331	1333	1336	rVB	198828	158658	2.98%	0.293%
17	10.098	1358	1362	1365	rBV	150584	134009	2.52%	0.247%
18	10.439	1417	1420	1426	rBV2	154613	174421	3.28%	0.322%
19	10.510	1426	1432	1433	rBV3	50735	62620	1.18%	0.116%
20	10.598	1445	1447	1452	rVB2	82652	76909	1.45%	0.142%
21	10.680	1457	1461	1465	rVV	3235051	3022818	56.82%	5.581%
22	10.716	1466	1467	1473	rVB4	47064	67605	1.27%	0.125%
23	10.816	1479	1484	1490	rVB2	129754	185785	3.49%	0.343%
24	10.992	1509	1514	1516	rBV4	67718	80339	1.51%	0.148%
25	11.122	1531	1536	1538	rBV3	49133	87751	1.65%	0.162%
26	11.186	1544	1547	1551	rVB2	88173	81027	1.52%	0.150%
27	11.251	1551	1558	1560	rBV6	108977	184141	3.46%	0.340%
28	11.280	1560	1563	1570	rVB	224561	233782	4.39%	0.432%
29	11.380	1576	1580	1583	rBV	2304543	2352380	44.22%	4.343%
30	11.404	1583	1584	1588	rVV	1542913	1180655	22.19%	2.180%
31	11.457	1590	1593	1596	rVB	359682	304593	5.73%	0.562%
32	11.492	1596	1599	1602	rBV2	65892	76735	1.44%	0.142%
33	11.680	1628	1631	1633	rBV	123162	86811	1.63%	0.160%
34	11.886	1663	1666	1668	rBV	263329	224221	4.21%	0.414%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.916	1668	1671	1675	rVV	819828	790934	14.87%	1.460%
36	11.957	1676	1678	1681	rVV	137874	147566	2.77%	0.272%
37	11.998	1681	1685	1687	rVV2	371683	456514	8.58%	0.843%
38	12.022	1687	1689	1693	rVB2	191336	179418	3.37%	0.331%
39	12.086	1698	1700	1703	rBV	145206	118260	2.22%	0.218%
40	12.180	1713	1716	1718	rBV	185002	160554	3.02%	0.296%
41	12.204	1718	1720	1723	rVB2	138602	124242	2.34%	0.229%
42	12.316	1736	1739	1740	rBV3	83097	91454	1.72%	0.169%
43	12.333	1740	1742	1744	rVV2	130170	104494	1.96%	0.193%
44	12.363	1745	1747	1753	rVV3	144521	256205	4.82%	0.473%
45	12.439	1757	1760	1762	rVV	268620	275507	5.18%	0.509%
46	12.474	1764	1766	1771	rVB3	208488	259485	4.88%	0.479%
47	12.521	1771	1774	1777	rBV2	152789	174671	3.28%	0.323%
48	12.598	1783	1787	1790	rBV	2107007	1746032	32.82%	3.224%
49	12.698	1801	1804	1806	rBV4	228454	230846	4.34%	0.426%
50	12.827	1821	1826	1828	rBV	1813778	1735870	32.63%	3.205%
51	12.851	1828	1830	1832	rVB	175252	135352	2.54%	0.250%
52	12.974	1847	1851	1854	rBV	4699233	4423287	83.14%	8.167%
53	13.880	2002	2005	2013	rVB2	747206	1082100	20.34%	1.998%
54	14.027	2025	2030	2032	rBV2	2078868	2528606	47.53%	4.669%
55	14.051	2032	2034	2037	rVB	675799	553881	10.41%	1.023%
56	14.568	2120	2122	2125	rVB2	707695	610005	11.47%	1.126%
57	15.074	2205	2208	2211	rBV	504167	685222	12.88%	1.265%
58	15.439	2267	2270	2273	rBV	494025	564096	10.60%	1.042%
59	15.504	2277	2281	2284	rBV	1352549	1587709	29.84%	2.931%

Sum of corrected areas: 54161478

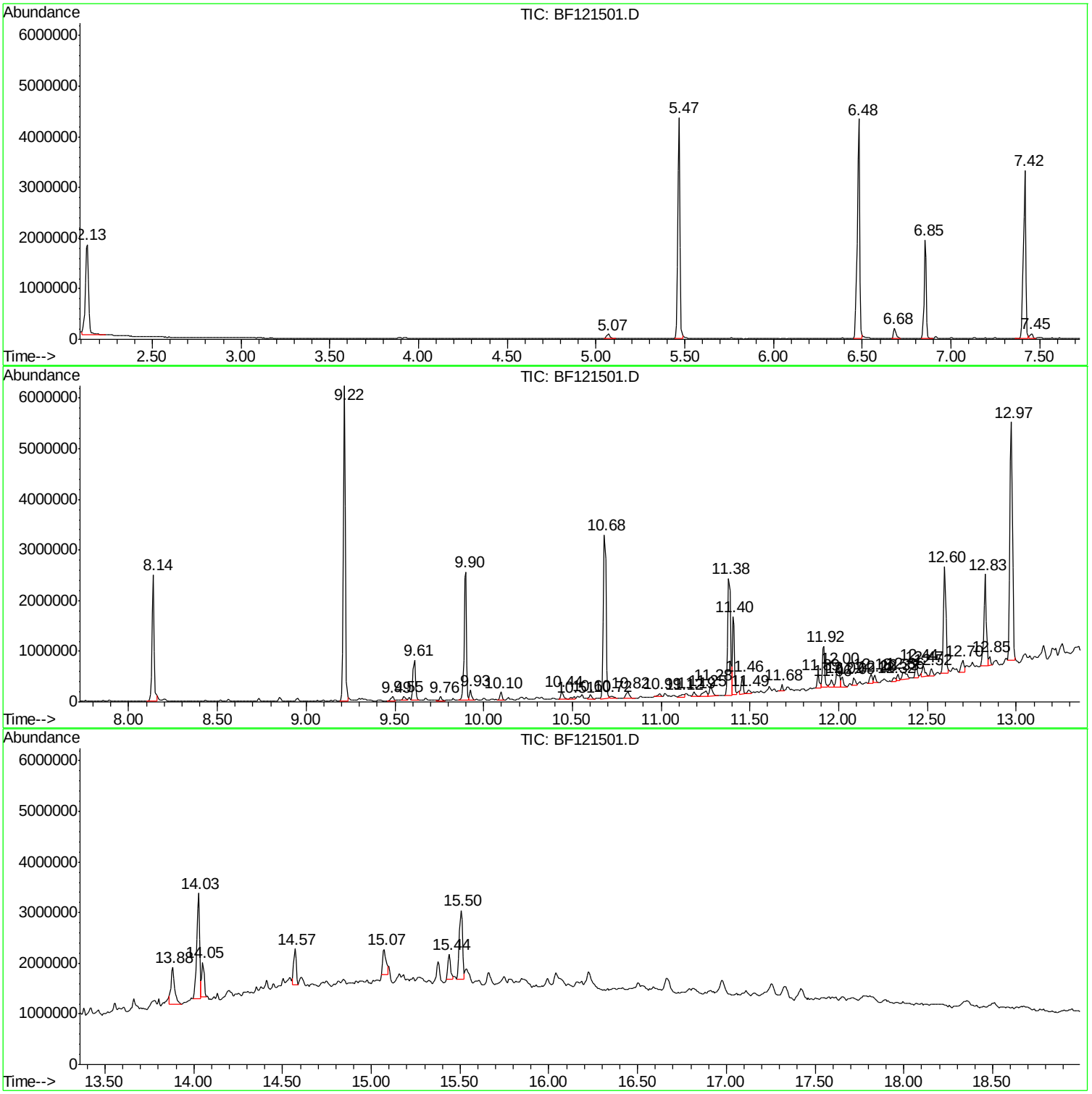
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

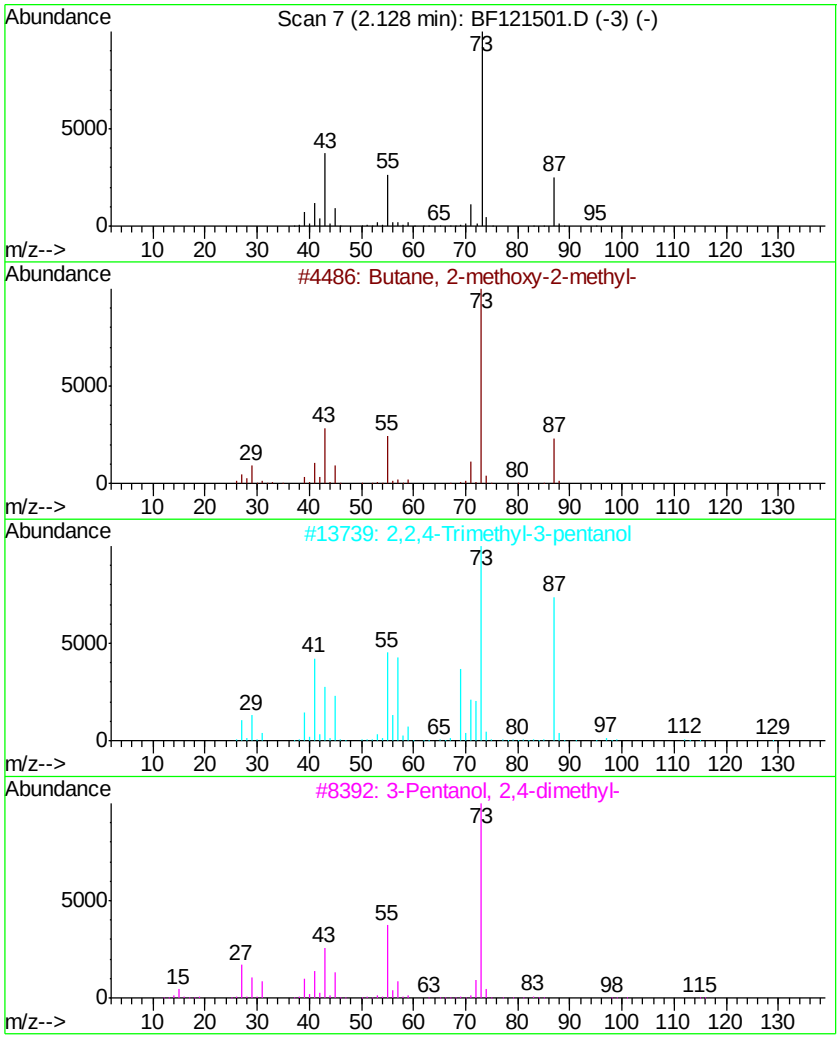
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

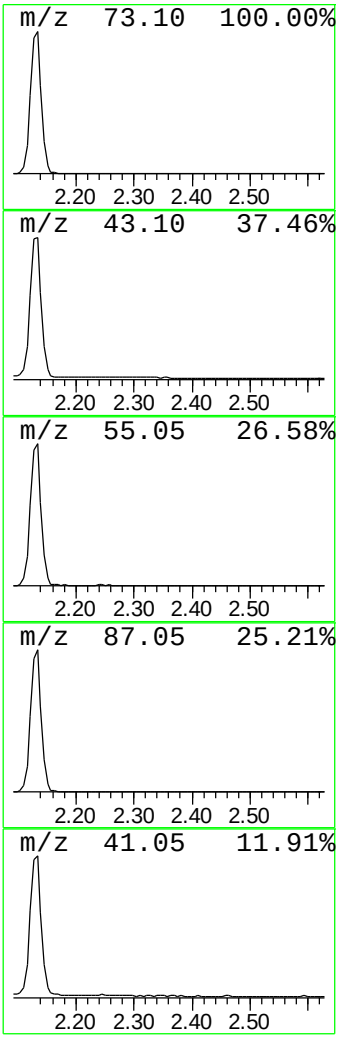
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	29.25 ng	2410010	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

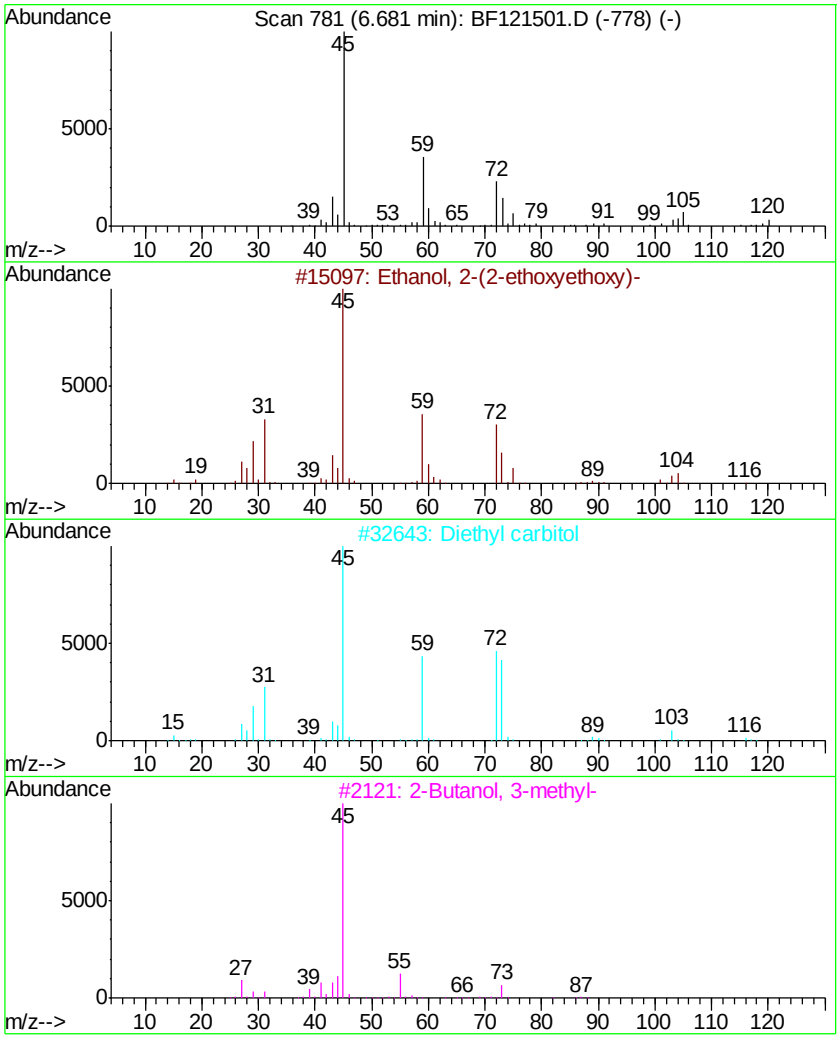
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

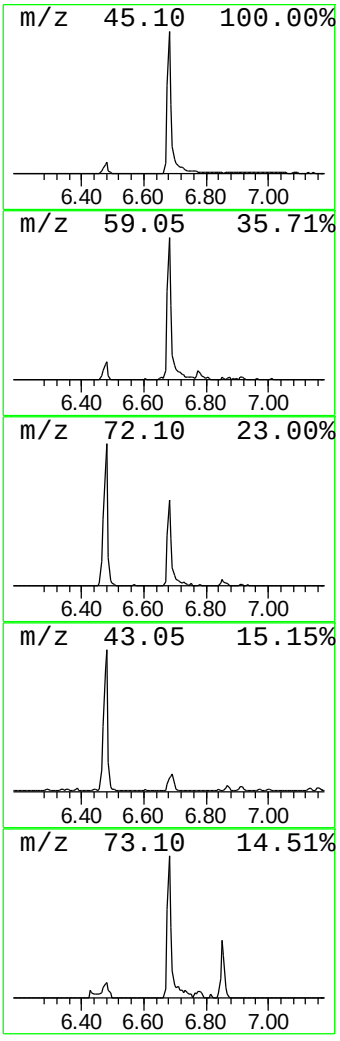
****

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	2.89 ng	238506	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	90
2	Diethyl carbitol	162	C8H18O3	000112-36-7	56
3	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	47
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45
5	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

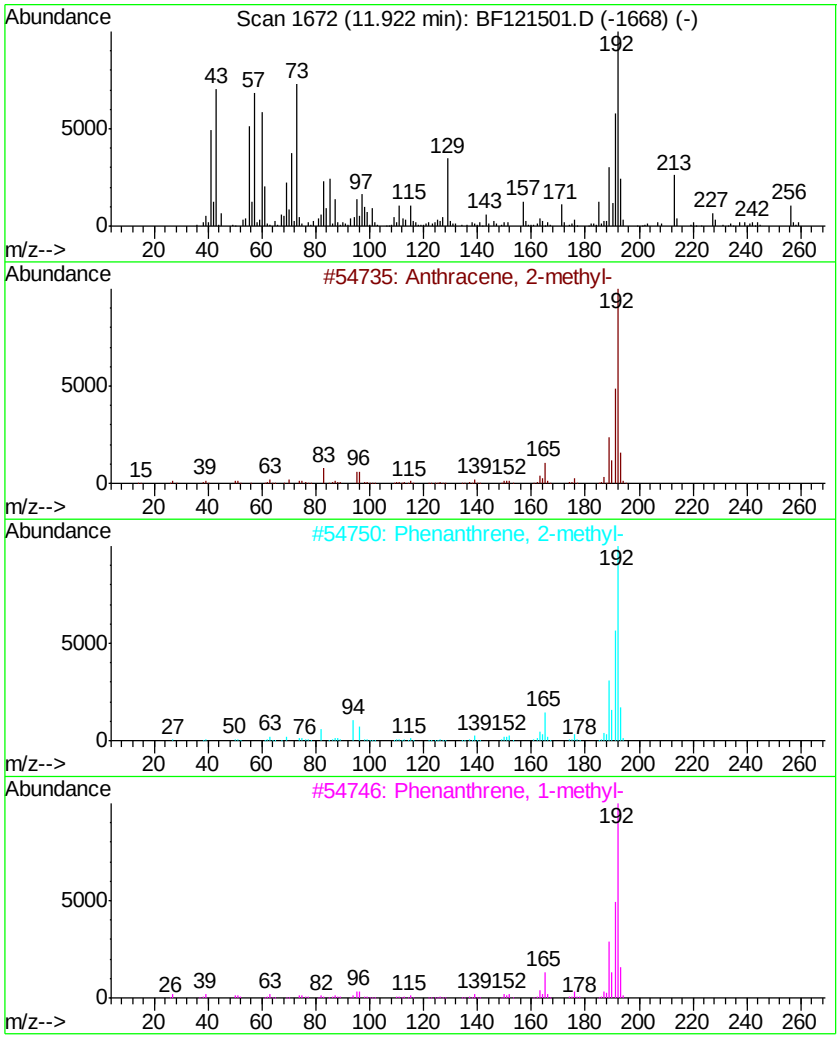
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

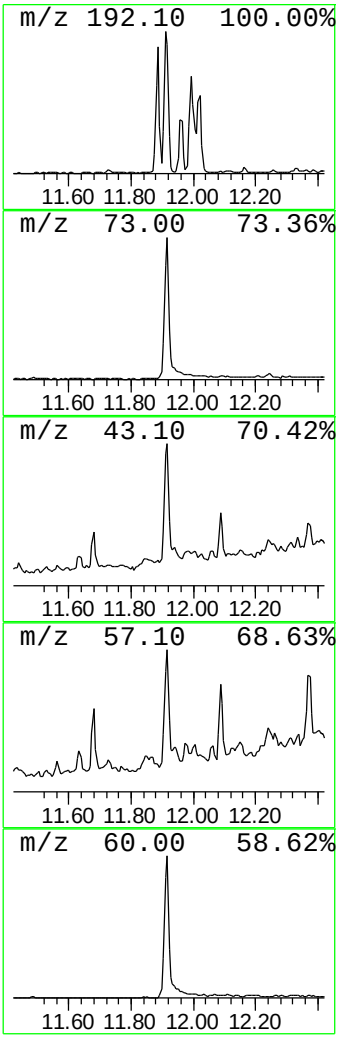
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	6.72 ng	790934	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

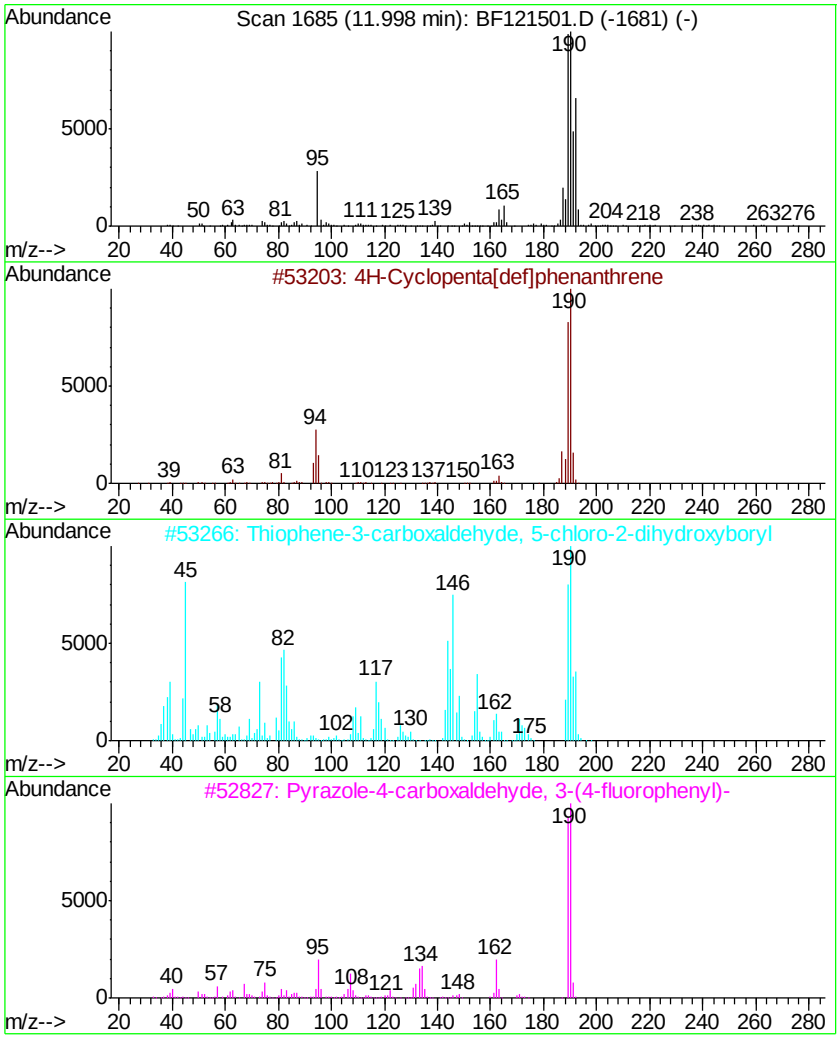
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

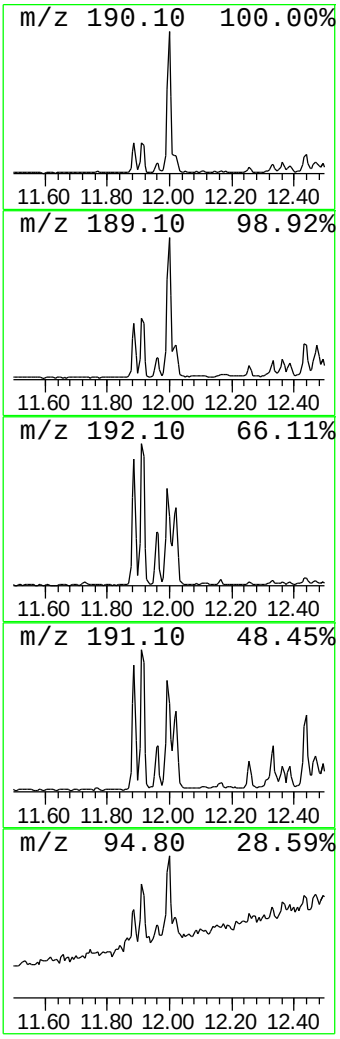
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.88 ng	456514	Phenanthrene-d10	11.38

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	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

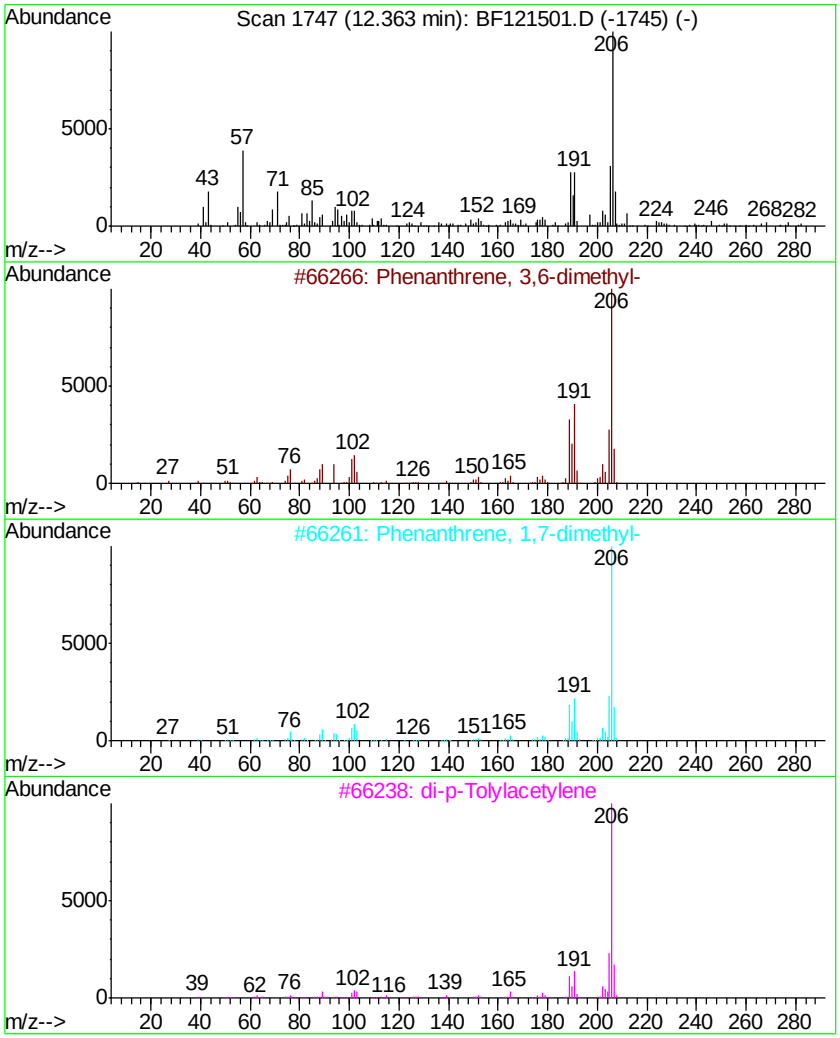
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

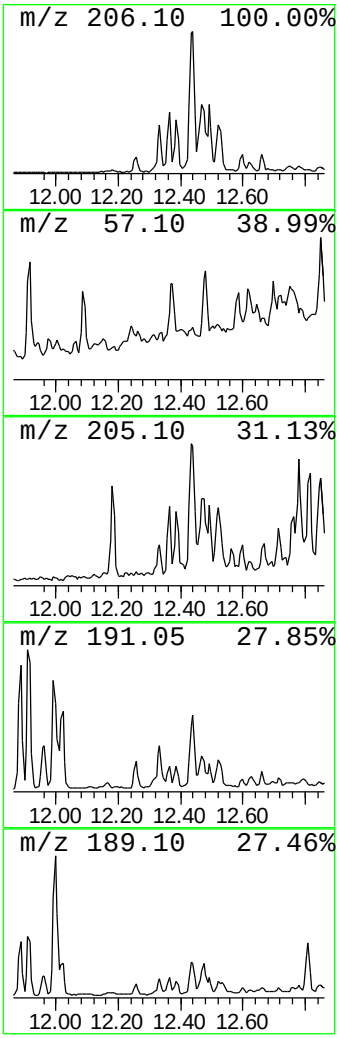
****

Peak Number 5 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.18 ng	256205	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

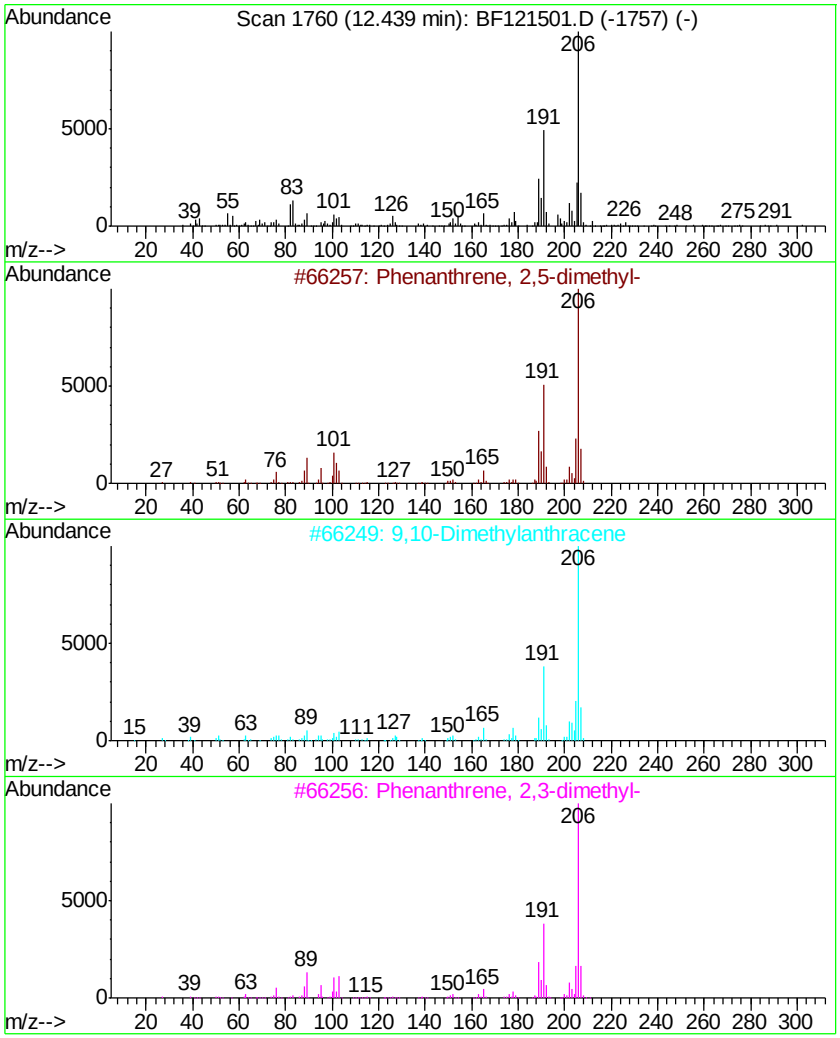
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

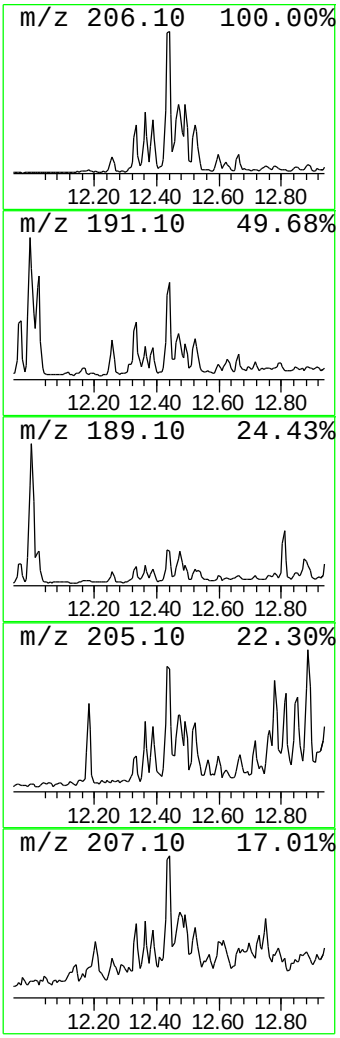
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.34 ng	275507	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

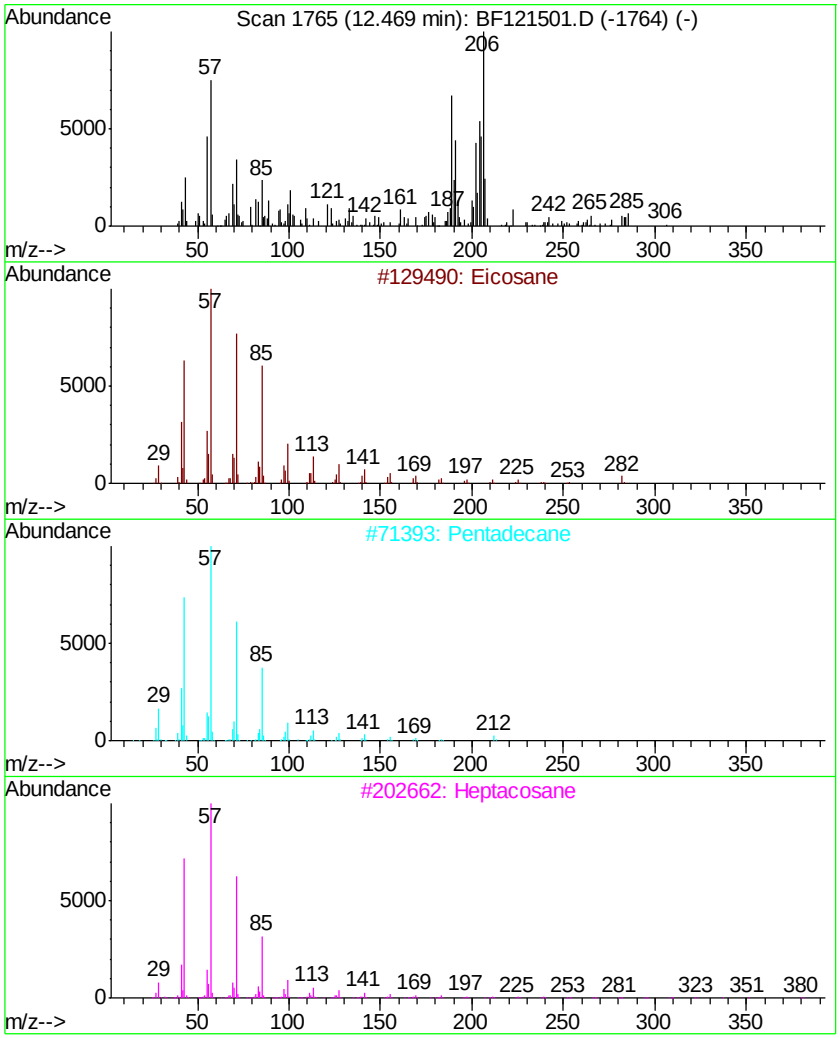
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

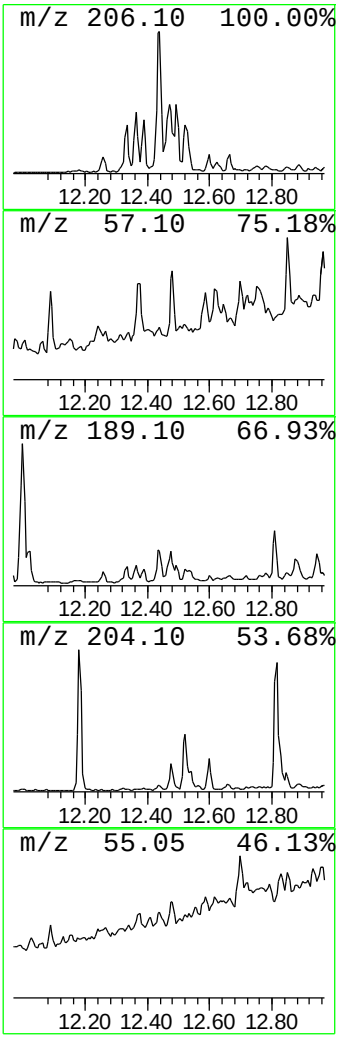
****

Peak Number 7 unknown12.47 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.21 ng	259485	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	49
2	Pentadecane	212	C15H32	000629-62-9	38
3	Heptacosane	380	C27H56	000593-49-7	38
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	30
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

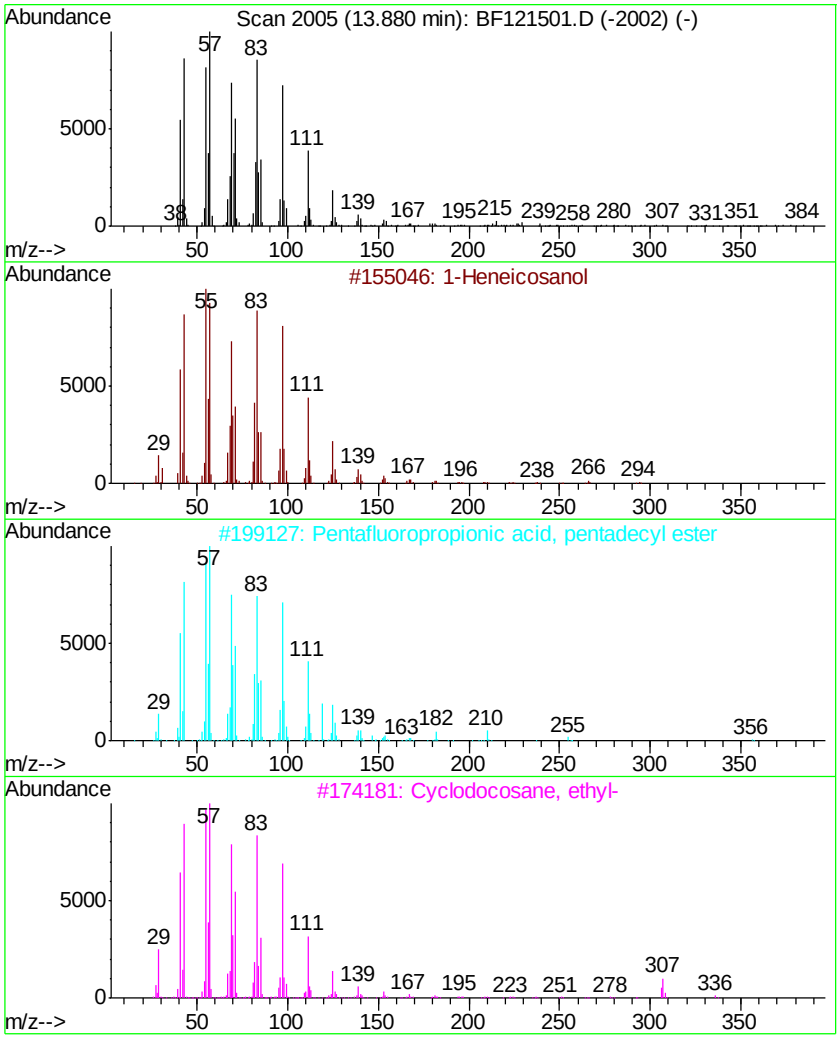
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

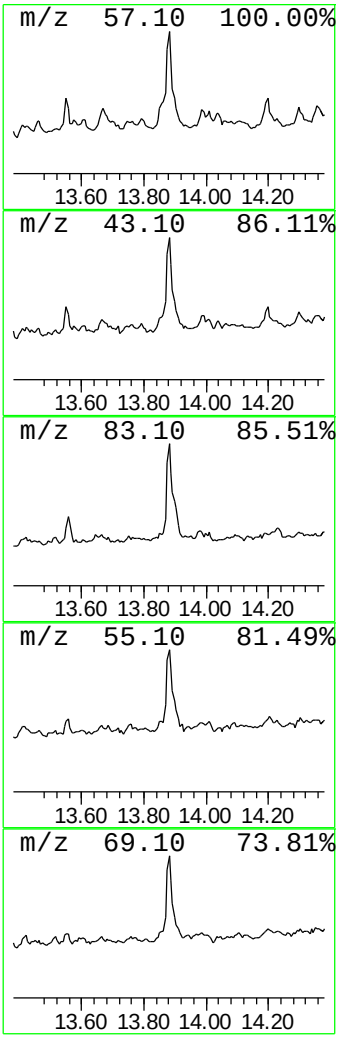
****

Peak Number 8 1-Heneicosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	8.56 ng	1082100	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
3	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	91
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
5	1-Heptacosanol	396	C27H56O	002004-39-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

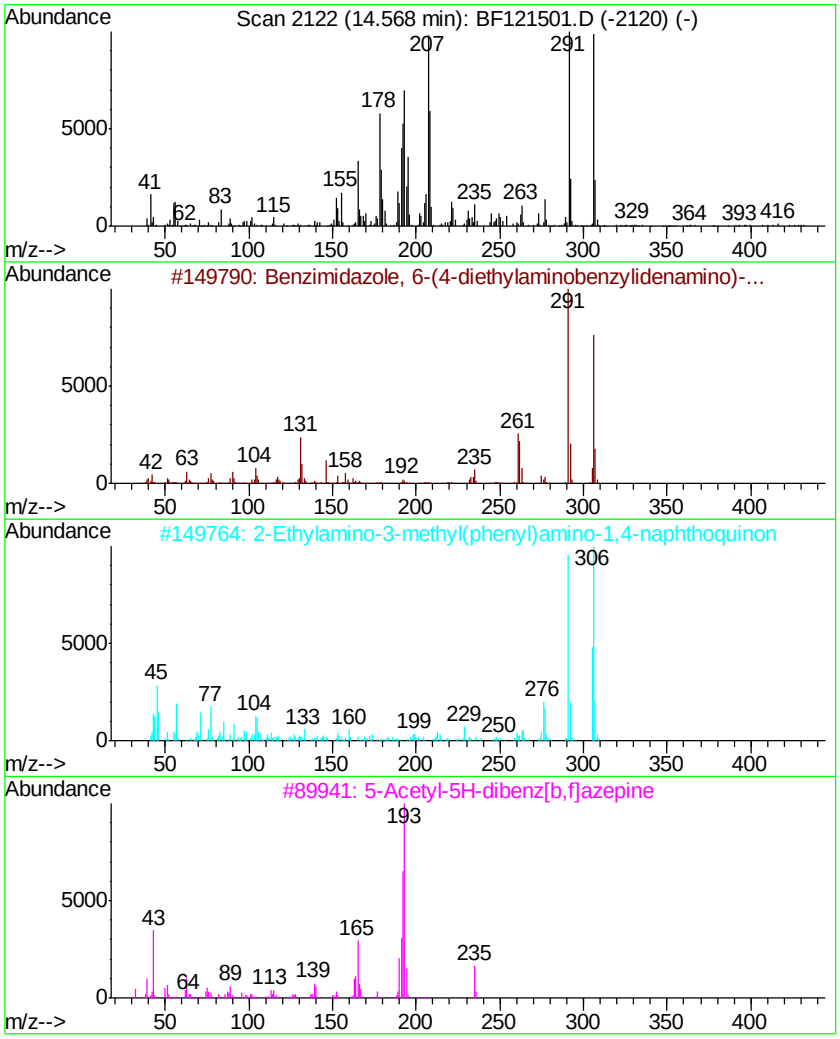
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

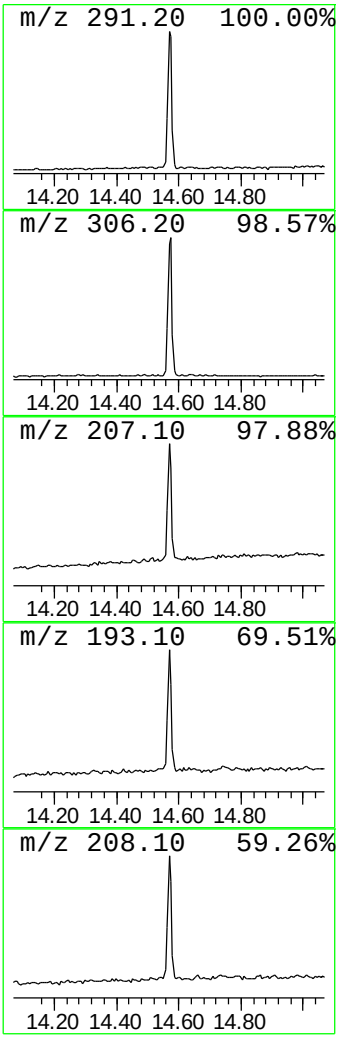
****

Peak Number 9 Benzimidazole, 6-(4-diethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	4.82 ng	610005	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzimidazole, 6-(4-diethylamino...	306	C19H22N4	1000259-92-5	66
2	2-Ethylamino-3-methyl(phenyl)ami...	306	C19H18N2O2	134614-16-7	38
3	5-Acetyl-5H-dibenz[b,f]azepine	235	C16H13NO	019209-60-0	25
4	m,m-Quaterphenyl	306	C24H18	001166-18-3	25
5	3-Iodobenzyl alcohol, trimethyls...	306	C10H15IOSi	1000365-48-4	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090120\
Data File : BF121501.D
Acq On : 1 Sep 2020 17:34
Operator : JU/CG
Sample : L3848-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-02-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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
Butane, 2-methoxy...	2.13	29.3	ng	2410010	1	6.85	1648000	20.0
Ethanol, 2-(2-eth...	6.68	2.9	ng	238506	1	6.85	1648000	20.0
Anthracene, 2-met...	11.92	6.7	ng	790934	4	11.38	2352380	20.0
4H-Cyclopenta[def...	12.00	3.9	ng	456514	4	11.38	2352380	20.0
Phenanthrene, 3,6...	12.36	2.2	ng	256205	4	11.38	2352380	20.0
Phenanthrene, 2,5...	12.44	2.3	ng	275507	4	11.38	2352380	20.0
unknown12.47	12.47	2.2	ng	259485	4	11.38	2352380	20.0
1-Heneicosanol	13.88	8.6	ng	1082100	5	14.03	2528610	20.0
Benzimidazole, 6-...	14.57	4.8	ng	610005	5	14.03	2528610	20.0