LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113571.D
Acq On : 4 Apr 2019 4:47
Operator : JU/SJ
Sample : K2199-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-040219-B

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-BF040319.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	5.298	543	546	567	rBV	305710	406348	41.48%	3.332%
2	6.334	719	722	740	rBV	353641	463111	47.28%	3.798%
3	6.457	740	743	754	rVV	475949	446403	45.57%	3.661%
4	6.686	778	782	791	rBV	663991	588040	60.03%	4.823%
5	6.839	805	808	817	rBV	376917	350335	35.77%	2.873%
6	7.251	874	878	891	rBV	177581	230982	23.58%	1.894%
7	7.969	996	1000	1011	rBV	773733	703689	71.84%	5.771%
8	8.786	1136	1139	1146	rVB	15515	17460	1.78%	0.143%
9	9.045	1180	1183	1193	rBV	570589	476949	48.69%	3.911%
10	9.139	1193	1199	1203	rVV4	8579	14291	1.46%	0.117%
11	9.386	1238	1241	1243	rBV	17090	15337	1.57%	0.126%
12	9.445	1247	1251	1255	rVB	32961	40753	4.16%	0.334%
13	9.586	1272	1275	1279	rBV	24212	23045	2.35%	0.189%
14	9.663	1286	1288	1292	rVB2	12488	10961	1.12%	0.090%
15	9.722	1294	1298	1302	rVV2	815498	708769	72.36%	5.813%
16	9.757	1302	1304	1310	rVB	50472	49442	5.05%	0.405%
17	9.927	1330	1333	1338	rBV	27357	29821	3.04%	0.245%
18	9.969	1338	1340	1345	rVB4	8706	11242	1.15%	0.092%
19	10.163	1370	1373	1378	rVB3	19803	19136	1.95%	0.157%
20	10.269	1388	1391	1398	rVB	48594	53895	5.50%	0.442%
21	10.333	1398	1402	1404	rBV2	7557	10622	1.08%	0.087%
22	10.380	1408	1410	1413	rVB	12219	10935	1.12%	0.090%
23	10.516	1429	1433	1446	rVB	262373	286781	29.28%	2.352%
24	10.633	1450	1453	1461	rBV3	27891	42592	4.35%	0.349%
25	10.821	1481	1485	1487	rBV2	13455	15451	1.58%	0.127%
26	10.845	1487	1489	1496	rVB6	10362	12087	1.23%	0.099%
27	11.080	1527	1529	1531	rBV2	20747	17907	1.83%	0.147%
28	11.104	1531	1533	1539	rVB2	30960	34395	3.51%	0.282%
29	11.204	1547	1550	1552	rBV	876534	748517	76.42%	6.139%
30	11.227	1552	1554	1559	rVV	385873	347916	35.52%	2.853%
31	11.280	1560	1563	1568	rVB	98527	91483	9.34%	0.750%
32	11.445	1585	1591	1597	rBV	29683	43990	4.49%	0.361%
33	11.504	1598	1601	1604	rVV2	27074	29147	2.98%	0.239%
34	11.539	1604	1607	1612	rVB2	17983	23161	2.36%	0.190%

LSC Area Percent Report

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Acq On : 4 Apr 2019 4:47
Operator : JU/SJ
Sample : K2199-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-040219-B

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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.604	1615	1618	1625	rVB2	44146	48246	4.93%	0.396%
36	11.710	1633	1636	1638	rBV	58143	51109	5.22%	0.419%
37	11.739	1638	1641	1645	rVV	70155	69817	7.13%	0.573%
38	11.786	1646	1649	1651	rVV2	25476	24600	2.51%	0.202%
39	11.821	1651	1655	1657	rVV	108197	116429	11.89%	0.955%
40	11.839	1657	1658	1664	rVB	40085	37895	3.87%	0.311%
41	11.916	1668	1671	1673	rVB2	23050	19746	2.02%	0.162%
42	12.004	1683	1686	1688	rBV	39896	34808	3.55%	0.285%
43	12.039	1689	1692	1696	rVB	19770	20388	2.08%	0.167%
44	12.151	1709	1711	1714	rVB2	13579	11745	1.20%	0.096%
45	12.186	1714	1717	1719	rBV	20943	21565	2.20%	0.177%
46	12.204	1719	1720	1725	rVB2	15081	14105	1.44%	0.116%
47	12.257	1725	1729	1731	rBV	54687	53127	5.42%	0.436%
48	12.286	1731	1734	1736	rVV2	180316	180232	18.40%	1.478%
49	12.310	1736	1738	1741	rVV3	165882	146575	14.96%	1.202%
50	12.345	1741	1744	1748	rVB3	26945	36758	3.75%	0.301%
51	12.415	1753	1756	1760	rVV	594053	525045	53.60%	4.306%
52	12.463	1761	1764	1766	rVV3	12102	13143	1.34%	0.108%
53	12.486	1766	1768	1770	rVB2	18036	13333	1.36%	0.109%
54	12.515	1770	1773	1775	rBV2	13867	10985	1.12%	0.090%
55	12.568	1778	1782	1786	rBV2	33193	38460	3.93%	0.315%
56	12.645	1789	1795	1798	rBV	536974	555909	56.75%	4.559%
57	12.668	1798	1799	1802	rVV3	41348	31066	3.17%	0.255%
58	12.704	1802	1805	1809	rVB3	25127	30739	3.14%	0.252%
59	12.786	1812	1819	1826	rBV	698894	651876	66.55%	5.346%
60	12.868	1829	1833	1836	rBV2	37326	55043	5.62%	0.451%
61	12.951	1844	1847	1848	rBV2	34703	34816	3.55%	0.286%
62	12.974	1848	1851	1855	rVB2	92112	95049	9.70%	0.780%
63	13.039	1857	1862	1865	rVV2	86128	96529	9.85%	0.792%
64	13.080	1865	1869	1876	rVV3	57525	86743	8.86%	0.711%
65	13.168	1882	1884	1887	rVB	33896	27640	2.82%	0.227%
66	13.204	1887	1890	1893	rBV	34301	37570	3.84%	0.308%
67	13.486	1936	1938	1941	rVB	25970	22693	2.32%	0.186%
68	13.592	1954	1956	1958	rBV	39696	33235	3.39%	0.273%
69	13.615	1958	1960	1963	rVB	30006	23483	2.40%	0.193%
70	13.645	1963	1965	1967	rBV	26562	24746	2.53%	0.203%
71	13.698	1971	1974	1976	rBV	37524	33460	3.42%	0.274%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-040219-B

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
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.839	1994	1998	2001	rBV2	846357	979516	100.00%	8.033%
73	13.868	2001	2003	2010	rVB	207343	178934	18.27%	1.467%
74	13.945	2014	2016	2019	rVB	44137	38428	3.92%	0.315%
75	14.857	2168	2171	2178	rBV	147869	236353	24.13%	1.938%
76	14.921	2180	2182	2186	rVB2	73579	74827	7.64%	0.614%
77	15.139	2216	2219	2224	rVB	89920	102179	10.43%	0.838%
78	15.198	2226	2229	2234	rVV	136694	174924	17.86%	1.435%
79	15.256	2235	2239	2250	rVB	447815	704682	71.94%	5.779%

Sum of corrected areas: 12193544

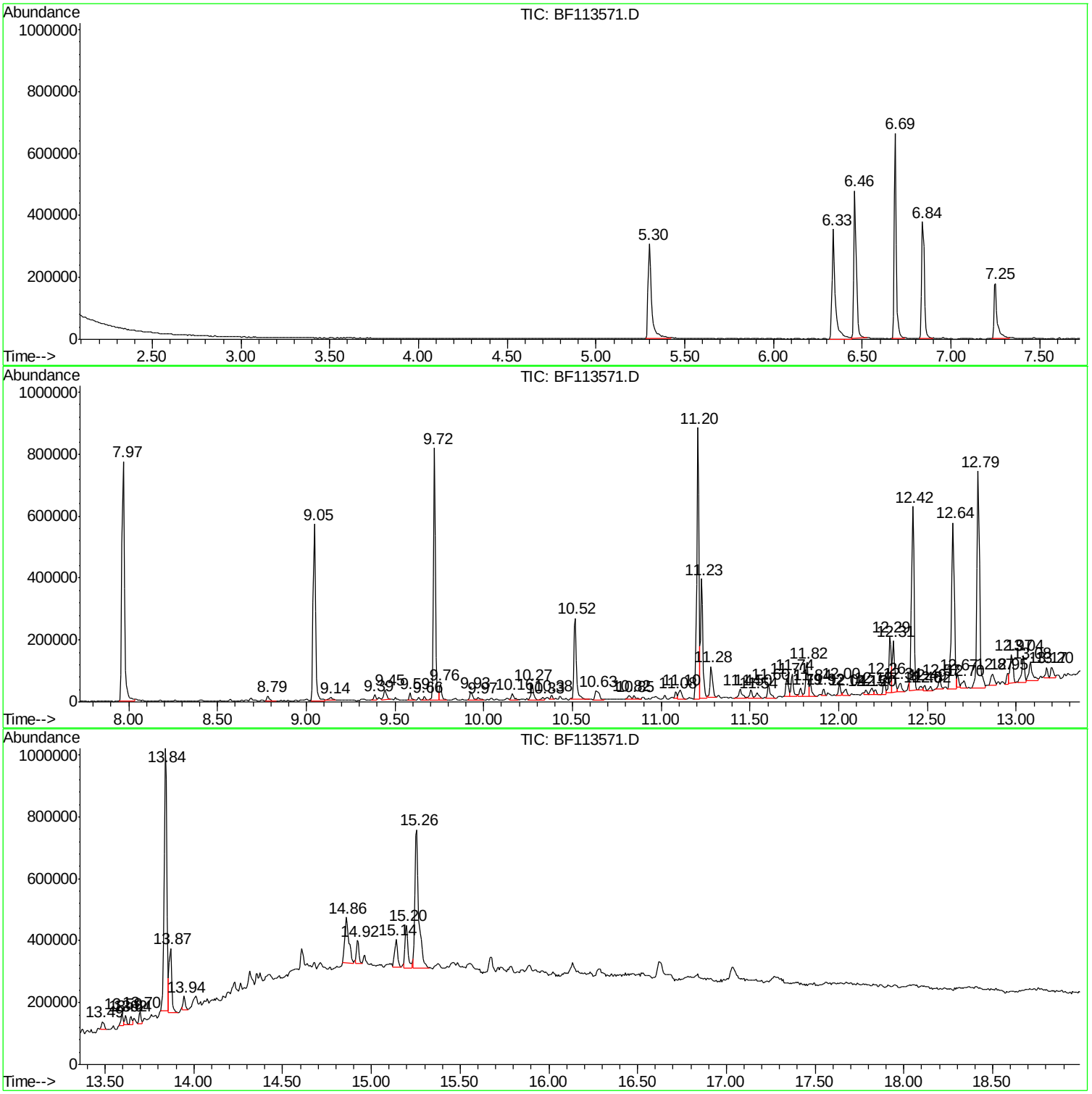
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113571.D
Acq On : 4 Apr 2019 4:47
Operator : JU/SJ
Sample : K2199-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF040319\
Data File : BF113571.D
Acq On : 4 Apr 2019 4:47
Operator : JU/SJ
Sample : K2199-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-040219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

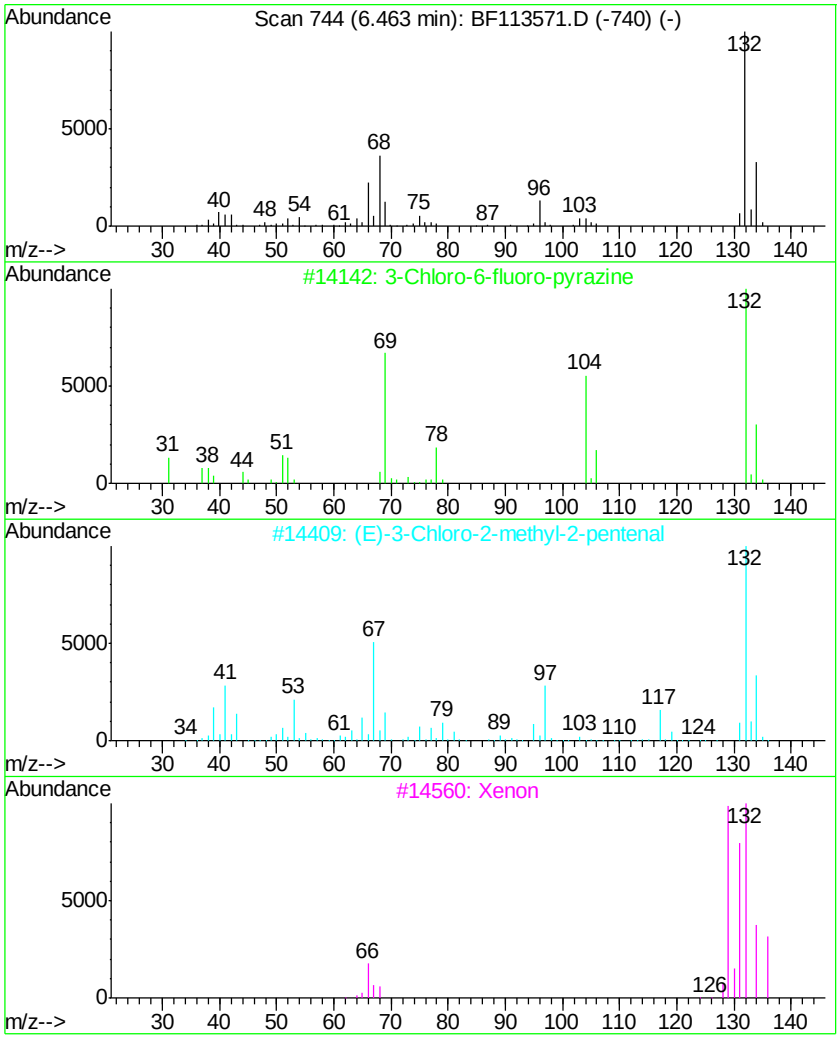
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

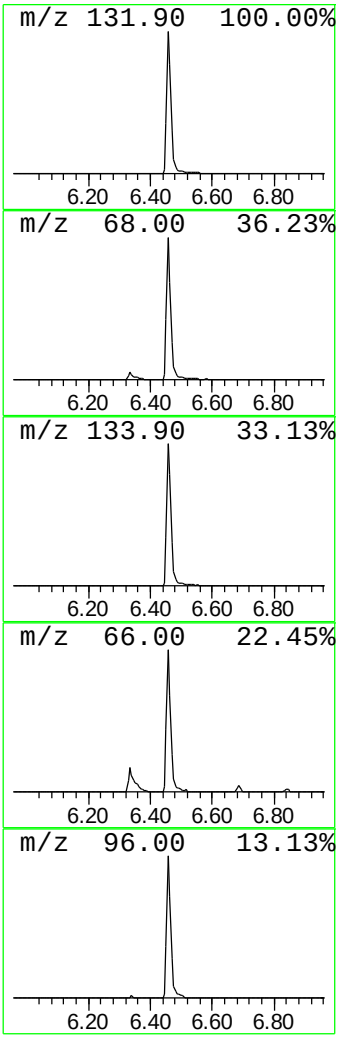
****

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	15.18 ng	446403	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Xenon	132	Xe	007440-63-3	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

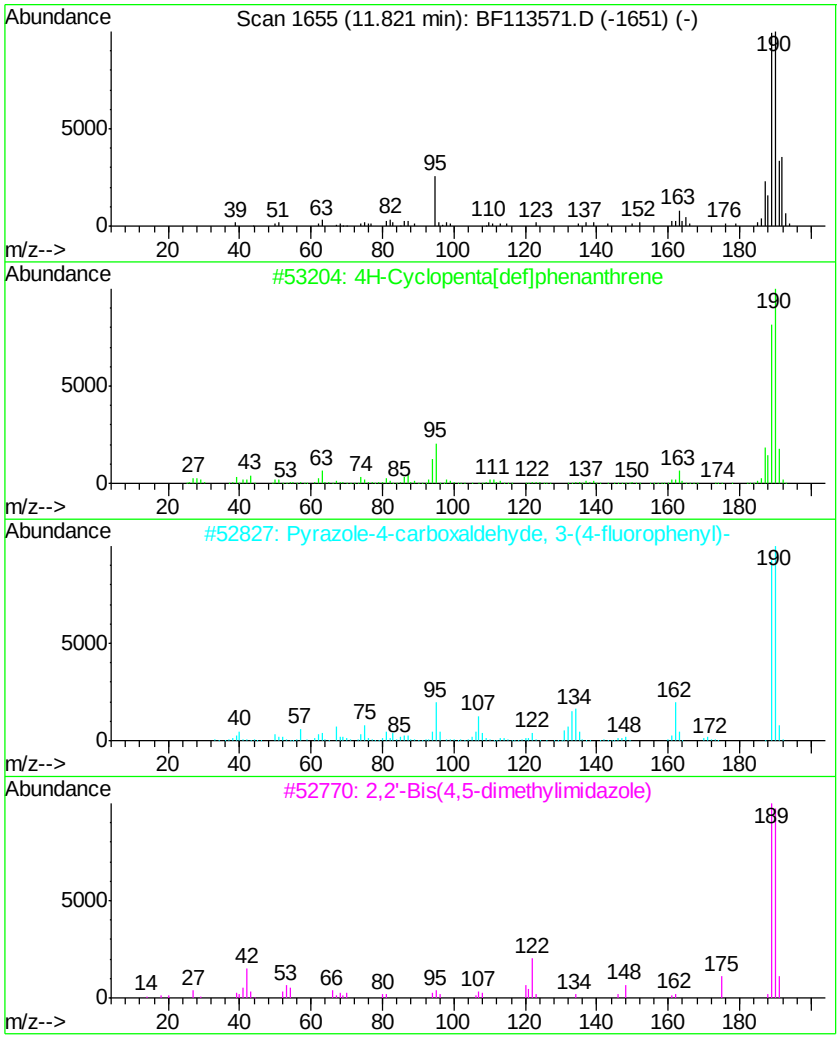
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

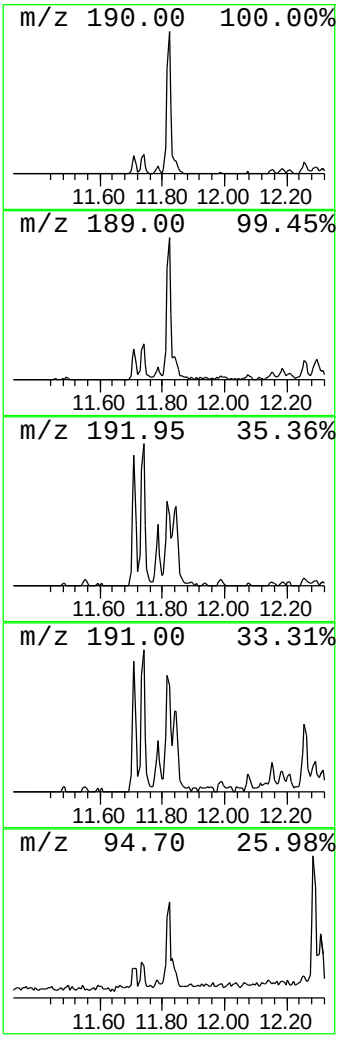
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.11 ng	116429	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

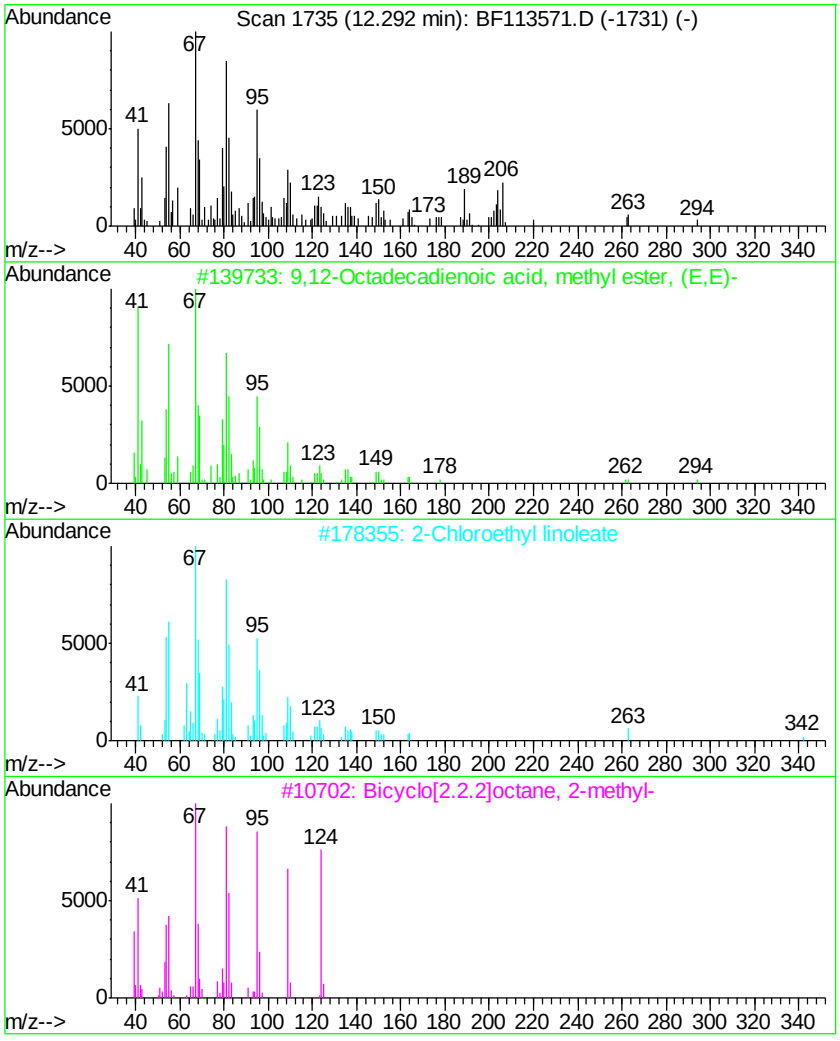
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

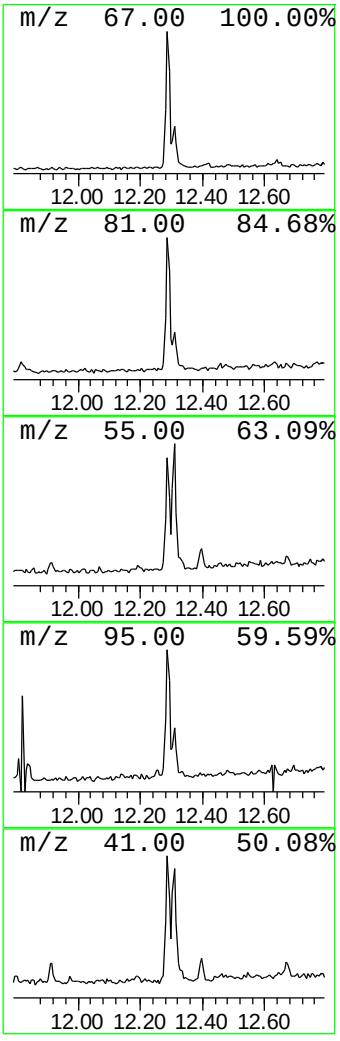
****

Peak Number 4 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.82 ng	180232	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	93
2	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	91
3	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	90
4	13-Tetradece-11-yn-1-ol	208	C14H24O	1000131-00-4	87
5	11,14-Eicosadienoic acid, methyl...	322	C21H38O2	002463-02-7	76





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

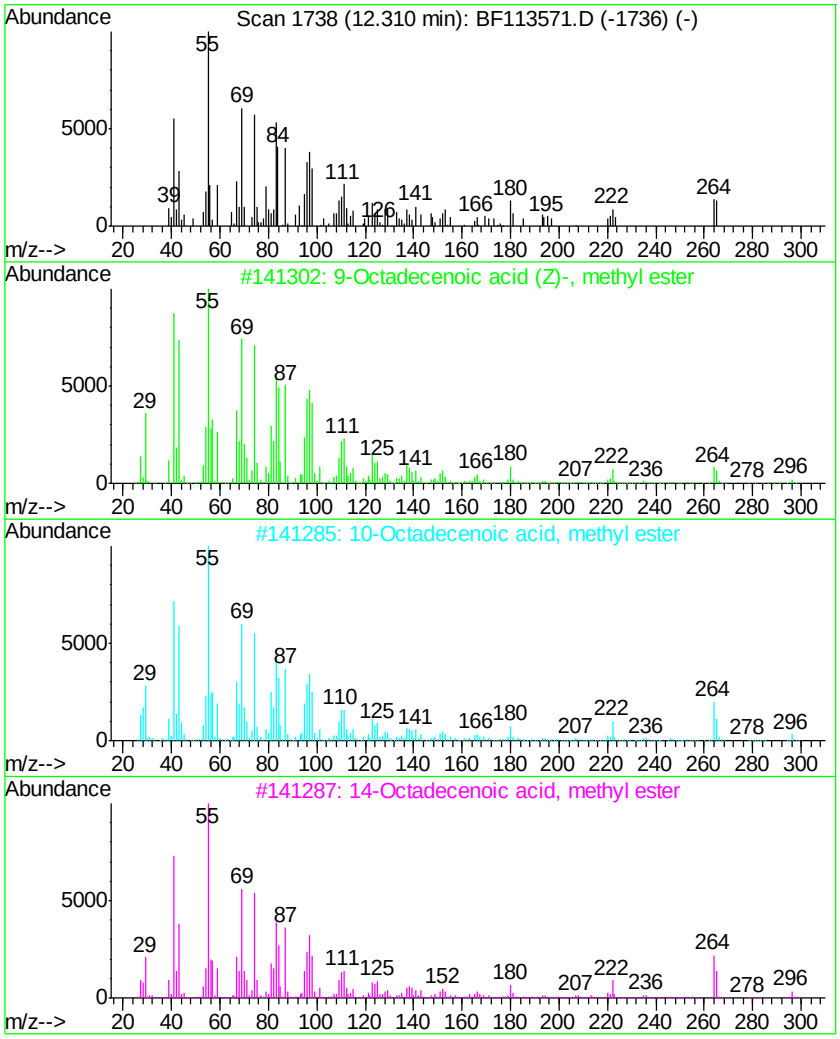
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

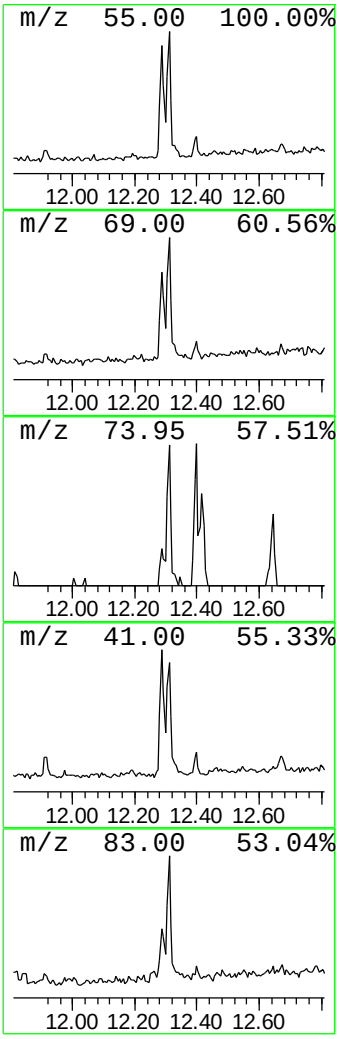
****

Peak Number 5 9-Octadecenoic acid (Z)-, m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	3.92 ng	146575	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	93
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	91
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	90
5	Cyclopropaneoctanoic acid, 2-hex...	282	C18H34O2	010152-61-1	87





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

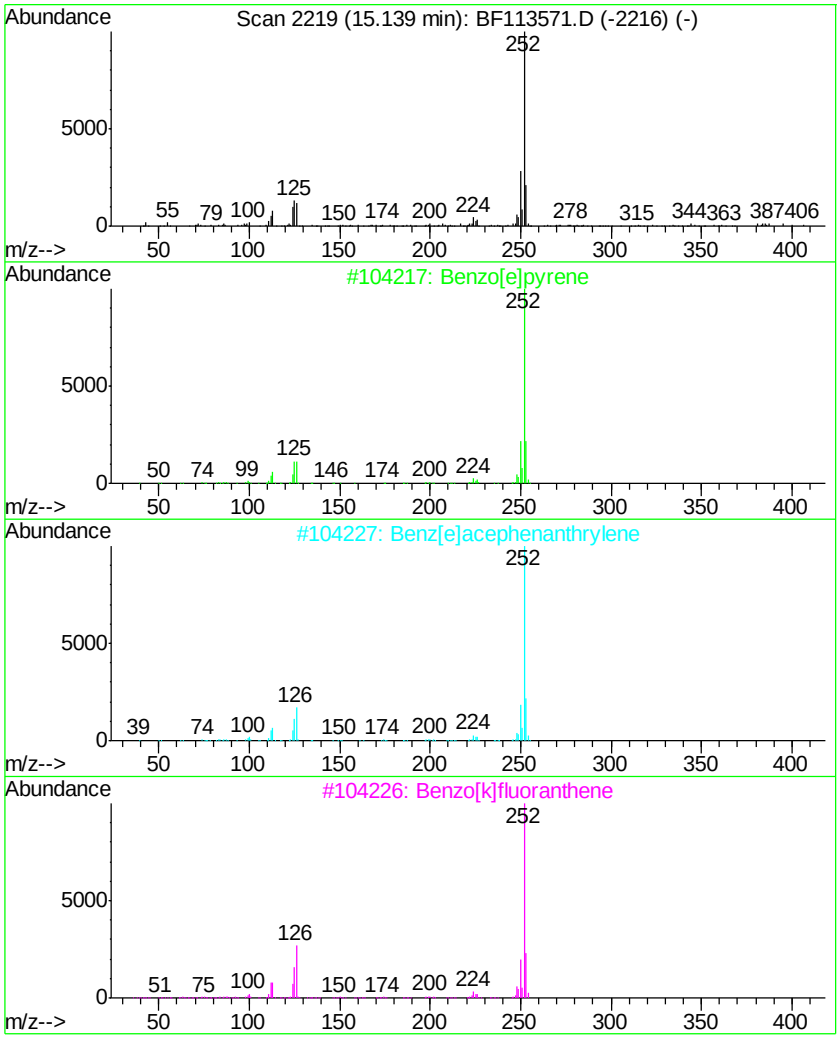
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

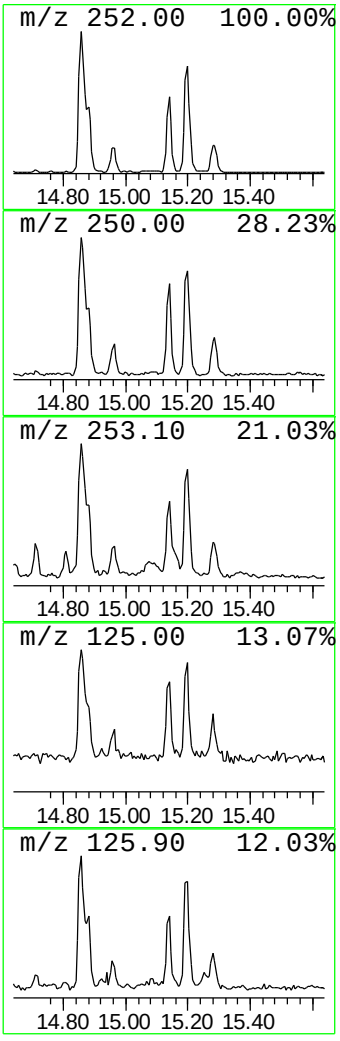
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.90 ng	102179	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

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Acq On : 4 Apr 2019 4:47
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.46	6.46	15.2	ng	446403	1	6.69	588040	20.0
4H-Cyclopenta[def...	11.82	3.1	ng	116429	4	11.20	748517	20.0
9,12-Octadecadien...	12.29	4.8	ng	180232	4	11.20	748517	20.0
9-Octadecenoic ac...	12.31	3.9	ng	146575	4	11.20	748517	20.0
Benzo[e]pyrene	15.14	2.9	ng	102179	6	15.26	704682	20.0