LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113840.D
Acq On : 19 Apr 2019 2:17
Operator : JU/SJ
Sample : K2198-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-041619

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-BF041819.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	5.504	577	581	585	rBV	695642	621861	42.92%	4.328%
2	6.504	748	751	755	rBV	667978	606080	41.83%	4.219%
3	6.657	774	777	781	rBV	706779	646224	44.61%	4.498%
4	6.898	814	818	821	rBV	997244	804842	55.55%	5.602%
5	7.051	841	844	848	rBV	680989	505500	34.89%	3.518%
6	7.445	907	911	915	rBV	440283	332220	22.93%	2.312%
7	8.175	1031	1035	1039	rBV	1131031	956828	66.04%	6.660%
8	8.775	1133	1137	1140	rBV	20566	18254	1.26%	0.127%
9	9.251	1214	1218	1221	rVB	824602	705179	48.67%	4.908%
10	9.339	1229	1233	1237	rBV2	29952	32240	2.23%	0.224%
11	9.586	1272	1275	1278	rVB	23177	19709	1.36%	0.137%
12	9.639	1282	1284	1286	rBV	74690	62337	4.30%	0.434%
13	9.792	1307	1310	1312	rBV	28765	30012	2.07%	0.209%
14	9.928	1330	1333	1337	rVB	1141592	1059642	73.14%	7.376%
15	10.133	1364	1368	1370	rVB2	24093	25704	1.77%	0.179%
16	10.175	1370	1375	1376	rBV	20045	18664	1.29%	0.130%
17	10.245	1381	1387	1390	rBV3	18795	24920	1.72%	0.173%
18	10.363	1404	1407	1409	rVB2	23407	20787	1.43%	0.145%
19	10.586	1443	1445	1448	rVB2	28977	24338	1.68%	0.169%
20	10.710	1462	1466	1471	rBV	568835	473669	32.69%	3.297%
21	10.839	1485	1488	1489	rBV	47705	42863	2.96%	0.298%
22	11.022	1516	1519	1522	rBV3	19049	21908	1.51%	0.152%
23	11.051	1522	1524	1531	rVV4	19913	23954	1.65%	0.167%
24	11.286	1561	1564	1566	rVV2	36150	26764	1.85%	0.186%
25	11.316	1566	1569	1574	rVB4	37776	46180	3.19%	0.321%
26	11.410	1582	1585	1588	rBV	1360955	1247026	86.08%	8.680%
27	11.433	1588	1589	1592	rVV	111013	71638	4.94%	0.499%
28	11.486	1596	1598	1601	rVB	33450	24920	1.72%	0.173%
29	11.527	1601	1605	1608	rBV5	13781	21248	1.47%	0.148%
30	11.710	1634	1636	1639	rBV	37571	27058	1.87%	0.188%
31	11.739	1639	1641	1644	rVB	27466	23596	1.63%	0.164%
32	11.827	1653	1656	1658	rVB2	22722	22927	1.58%	0.160%
33	11.916	1667	1671	1672	rBV	64716	63687	4.40%	0.443%
34	11.939	1672	1675	1679	rVB2	132209	139218	9.61%	0.969%

LSC Area Percent Report

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Acq On : 19 Apr 2019 2:17
Operator : JU/SJ
Sample : K2198-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-041619

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-BF041819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.021	1686	1689	1692	rBV2	80367	89038	6.15%	0.620%
36	12.045	1692	1693	1699	rVB	67013	50561	3.49%	0.352%
37	12.116	1703	1705	1708	rVB	43213	32012	2.21%	0.223%
38	12.145	1708	1710	1714	rVB2	27522	26656	1.84%	0.186%
39	12.204	1718	1720	1722	rVV	27586	24101	1.66%	0.168%
40	12.239	1722	1726	1731	rVB2	23509	38830	2.68%	0.270%
41	12.339	1740	1743	1745	rBV2	32940	33750	2.33%	0.235%
42	12.386	1749	1751	1753	rBV	35415	35458	2.45%	0.247%
43	12.410	1753	1755	1758	rVB2	37374	33788	2.33%	0.235%
44	12.463	1761	1764	1767	rBV	106347	102509	7.08%	0.714%
45	12.504	1767	1771	1775	rVB4	66970	103404	7.14%	0.720%
46	12.545	1775	1778	1782	rBV3	33351	41490	2.86%	0.289%
47	12.586	1782	1785	1788	rVB2	21961	26704	1.84%	0.186%
48	12.621	1788	1791	1794	rBV	158516	142153	9.81%	0.989%
49	12.669	1797	1799	1801	rBV	29694	23153	1.60%	0.161%
50	12.716	1804	1807	1810	rBV2	42621	52880	3.65%	0.368%
51	12.780	1815	1818	1820	rBV3	31378	34641	2.39%	0.241%
52	12.851	1826	1830	1832	rBV	211913	189955	13.11%	1.322%
53	12.874	1832	1834	1837	rVB2	71928	64200	4.43%	0.447%
54	12.910	1838	1840	1843	rVB	41073	34822	2.40%	0.242%
55	12.992	1851	1854	1857	rBV	1223991	970756	67.01%	6.757%
56	13.068	1864	1867	1870	rBV	45387	60266	4.16%	0.419%
57	13.233	1892	1895	1900	rBV3	69748	85420	5.90%	0.595%
58	13.280	1901	1903	1906	rBV	52778	50932	3.52%	0.355%
59	13.374	1917	1919	1921	rVB	54415	39652	2.74%	0.276%
60	13.404	1922	1924	1927	rVB	58197	45818	3.16%	0.319%
61	13.574	1951	1953	1956	rBV	81097	78382	5.41%	0.546%
62	13.892	2004	2007	2012	rBV2	108514	186718	12.89%	1.300%
63	14.045	2029	2033	2036	rBV	1551997	1448760	100.00%	10.084%
64	14.215	2060	2062	2065	rVB2	105222	95809	6.61%	0.667%
65	14.521	2112	2114	2117	rVB	159704	132640	9.16%	0.923%
66	14.833	2165	2167	2170	rVB	150238	119881	8.27%	0.834%
67	15.174	2223	2225	2231	rVB2	166824	199184	13.75%	1.386%
68	15.521	2279	2284	2288	rBV	726614	880607	60.78%	6.129%

Sum of corrected areas: 14366927

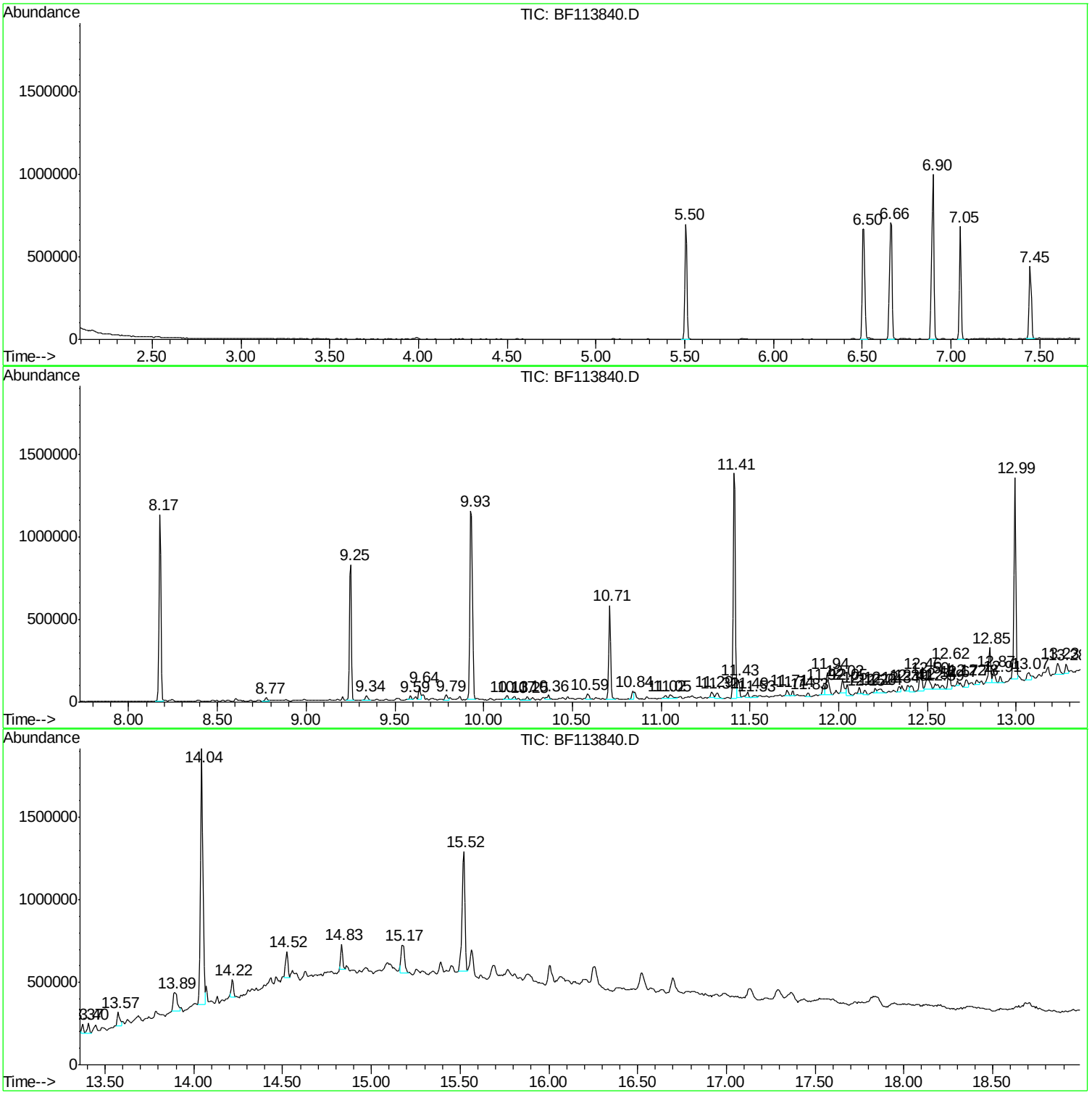
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113840.D
Acq On : 19 Apr 2019 2:17
Operator : JU/SJ
Sample : K2198-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-041619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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\BF041819\
Data File : BF113840.D
Acq On : 19 Apr 2019 2:17
Operator : JU/SJ
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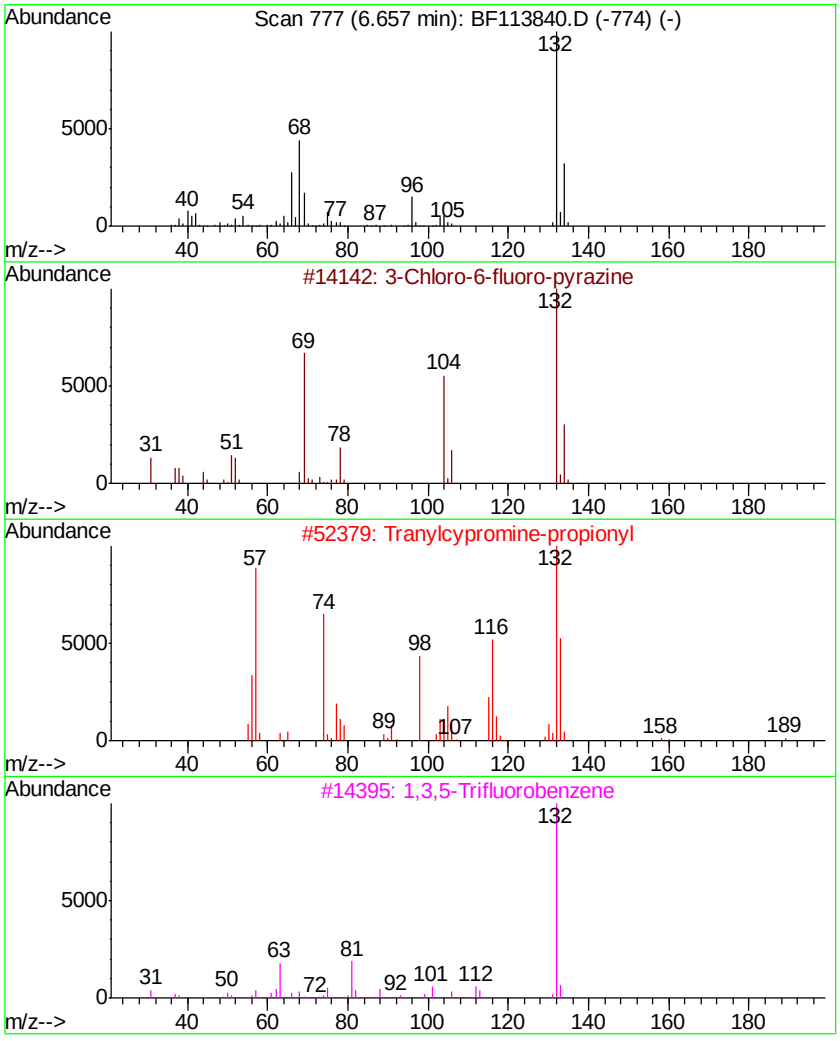
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

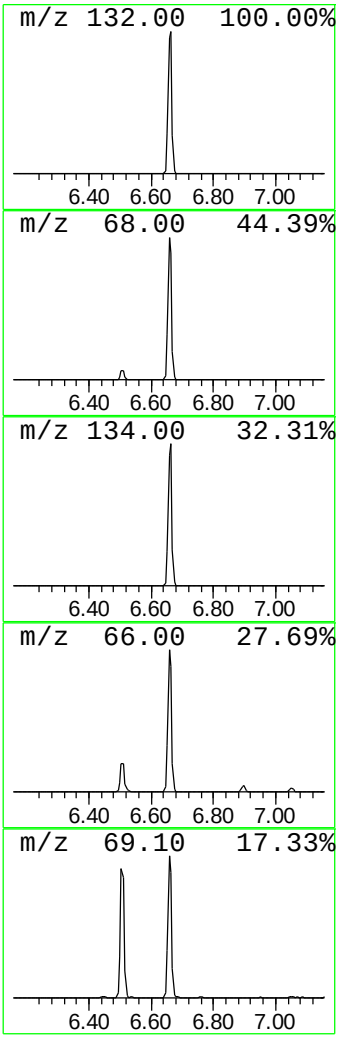
****

Peak Number 1 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	16.06 ng	646224	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	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113840.D
Acq On : 19 Apr 2019 2:17
Operator : JU/SJ
Sample : K2198-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-041619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

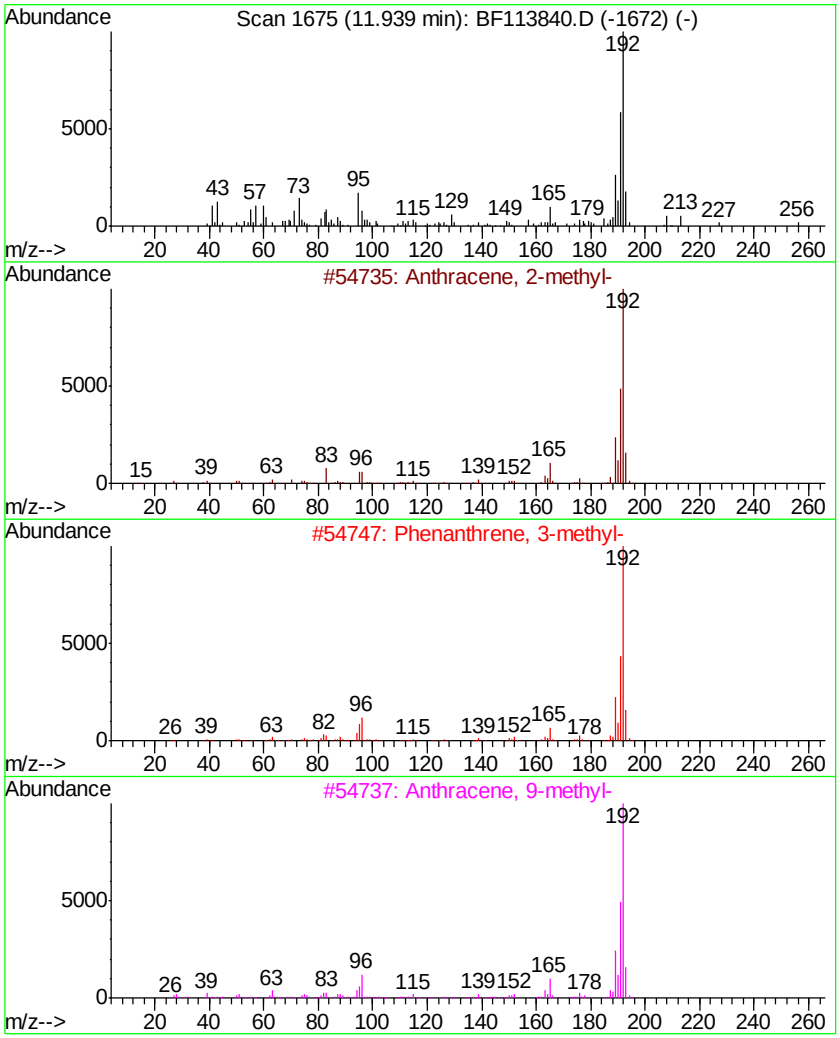
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

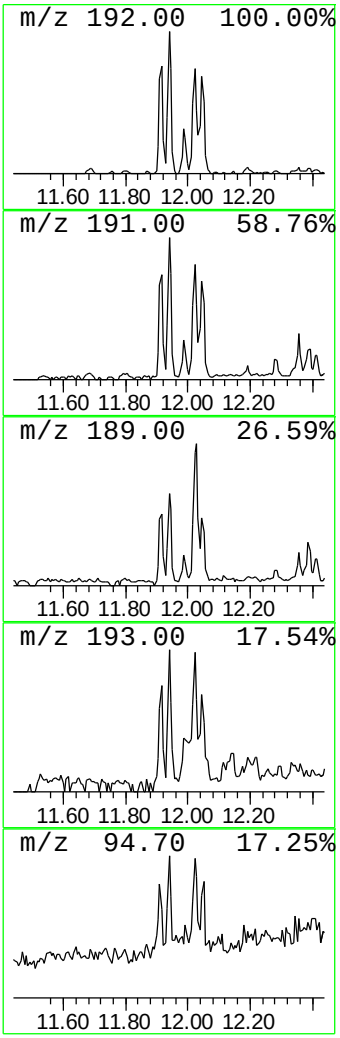
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.23 ng	139218	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81





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Sample : K2198-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OK-02-041619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

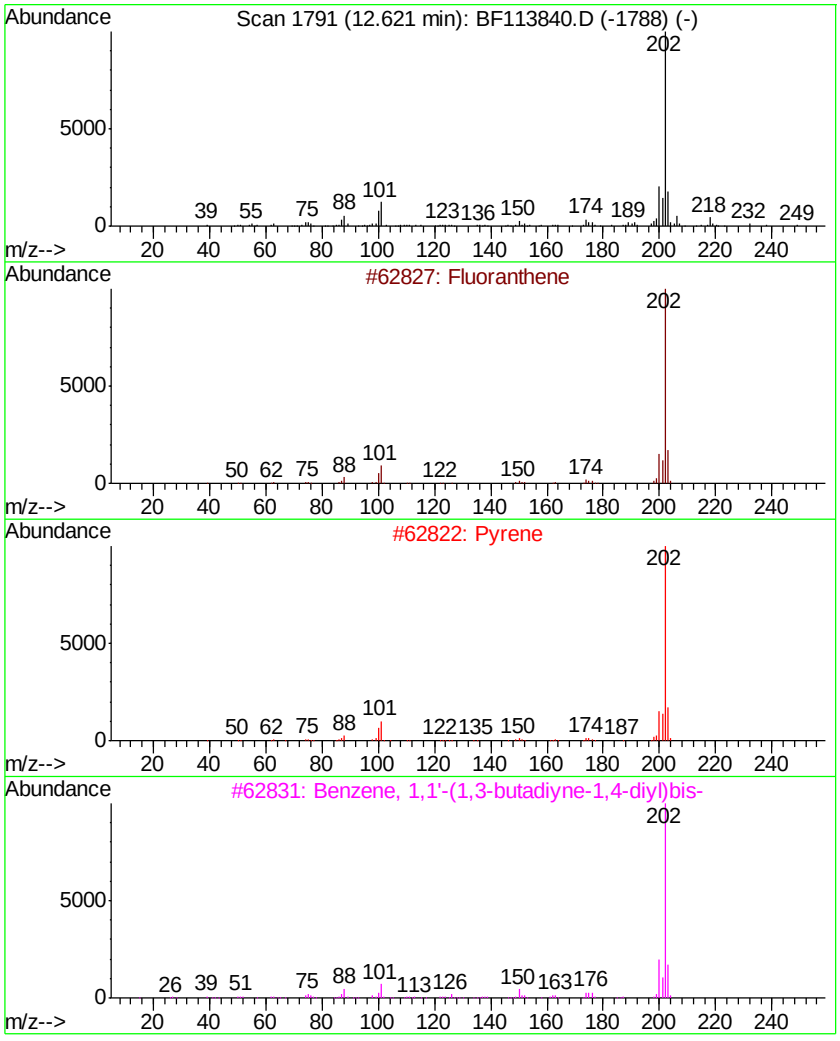
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

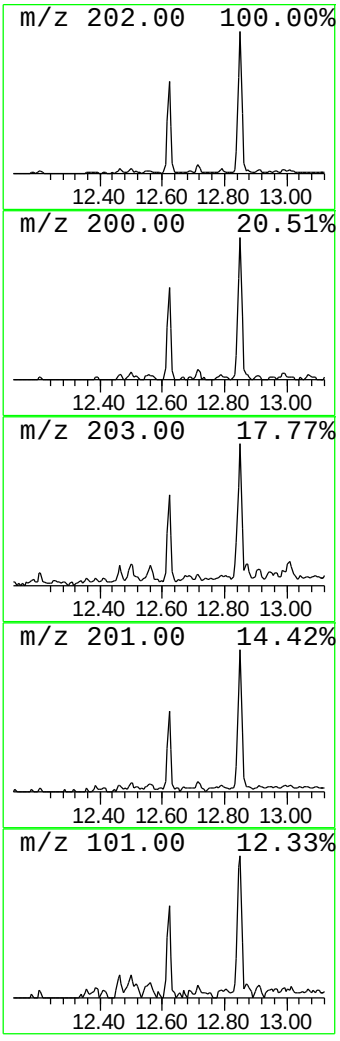
****

Peak Number 4 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.28 ng	142153	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	94
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	64
4	2-Butenamide, 3-methyl-N-1H-puri...	217	C10H11N5O	021589-34-4	38
5	Pyrene, 10b,10c-dihydro-10b,10c-...	288	C22H24	028816-94-6	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113840.D
Acq On : 19 Apr 2019 2:17
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

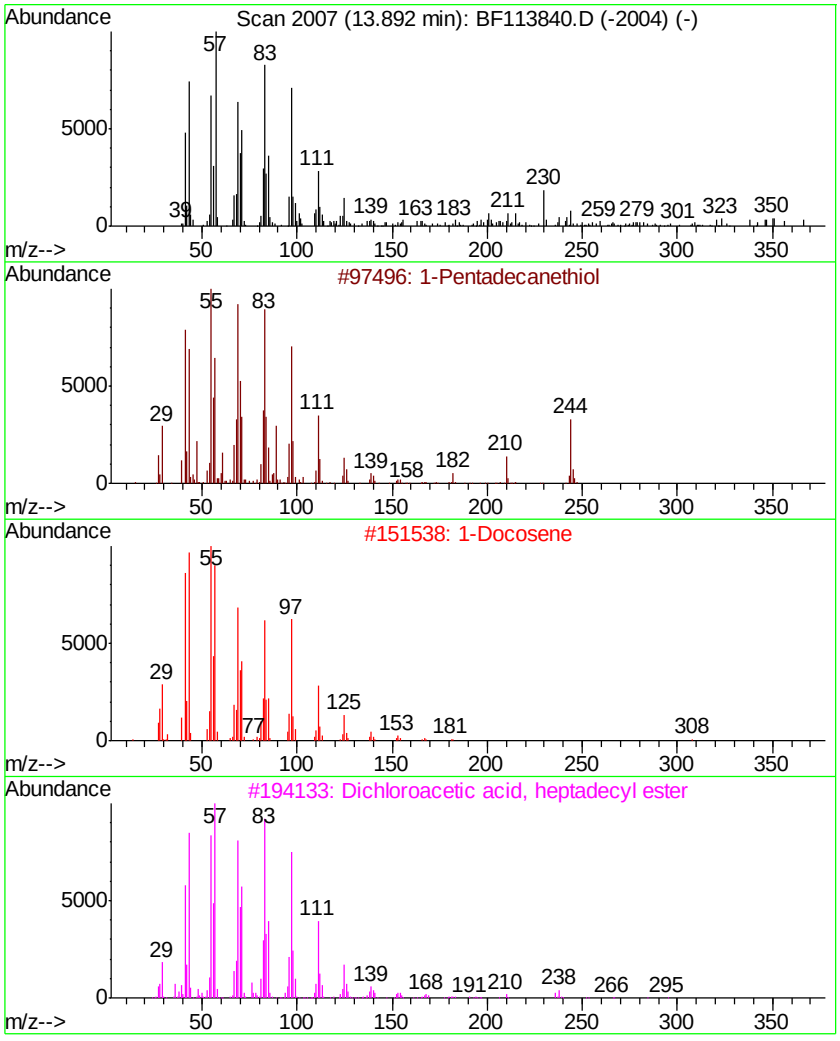
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

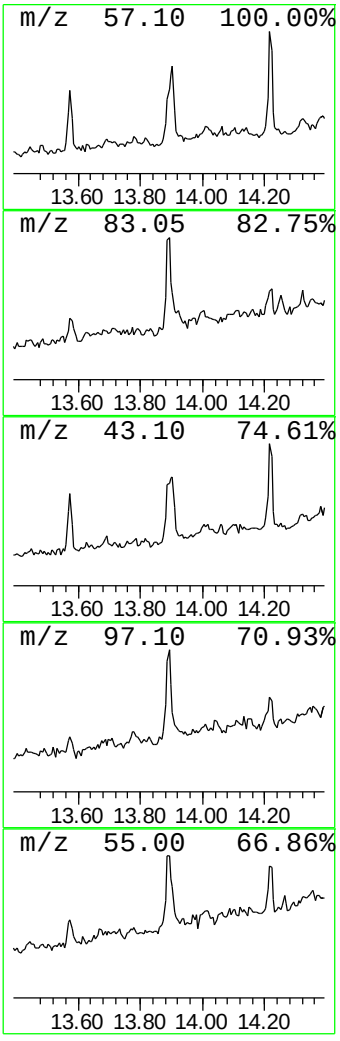
****

Peak Number 5 1-Pentadecanethiol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.58 ng	186718	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecanethiol	244	C15H32S	025276-70-4	94
2	1-Docosene	308	C22H44	001599-67-3	90
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
4	1-Nonadecene	266	C19H38	018435-45-5	90
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	90





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : OK-02-041619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

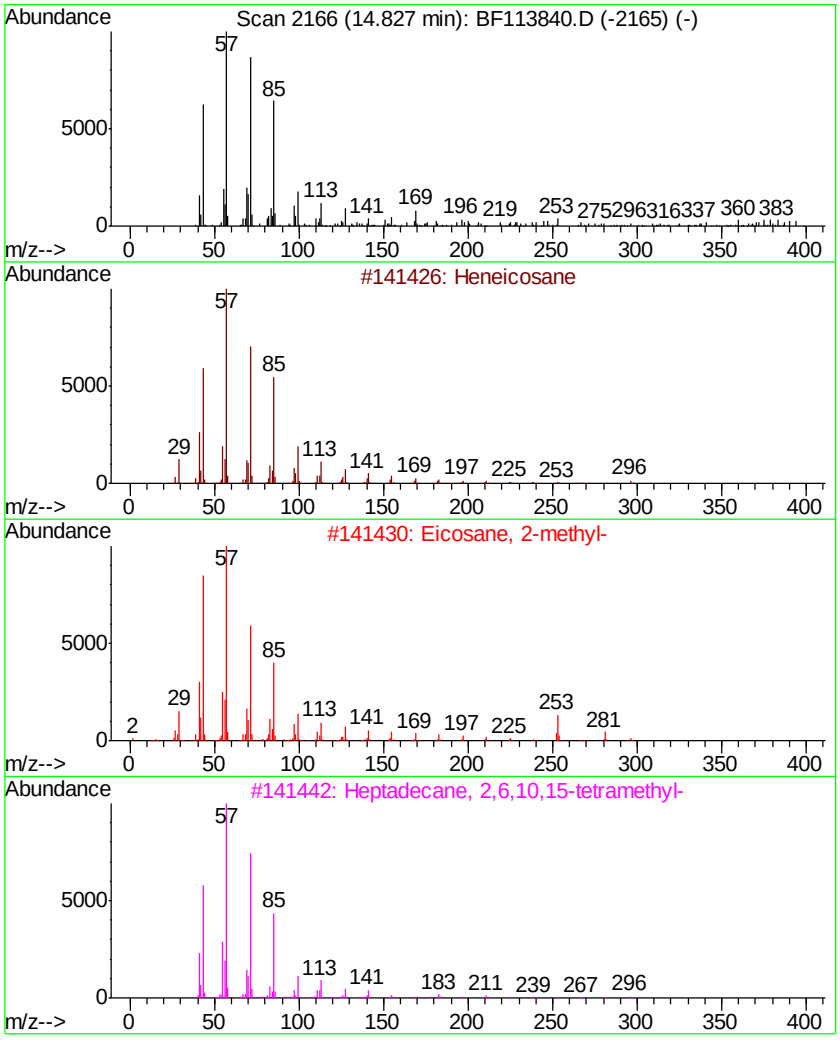
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

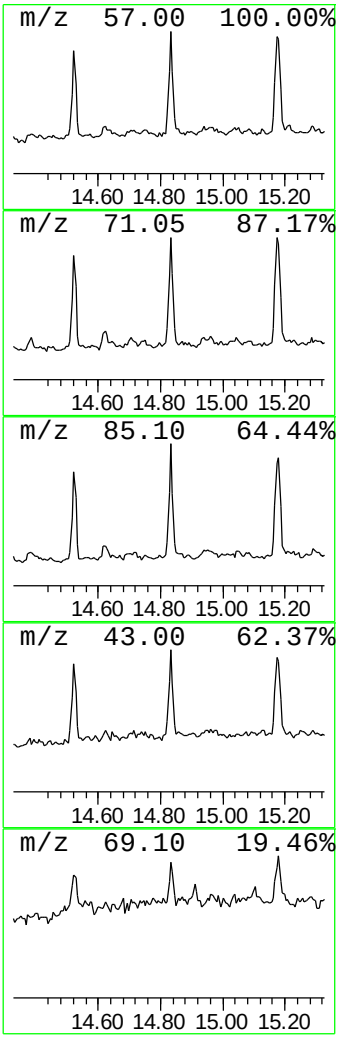
****

Peak Number 6 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.72 ng	119881	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	94
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Tetracosane	338	C24H50	000646-31-1	90





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-041619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

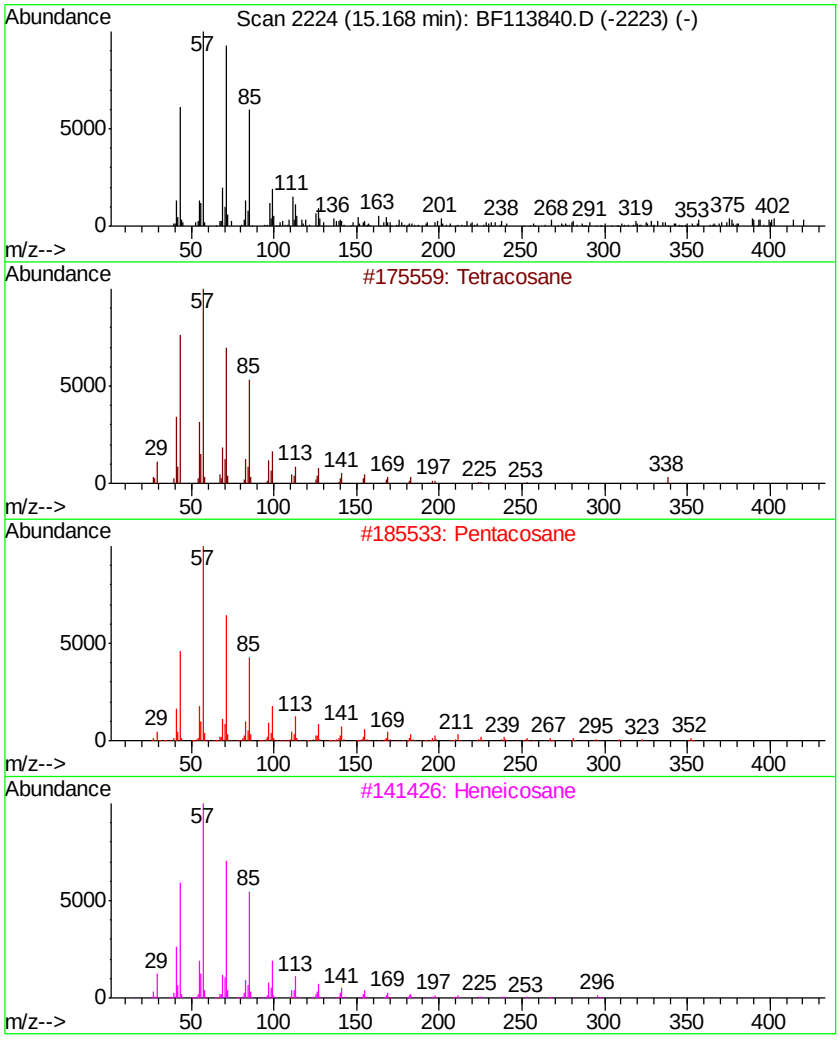
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

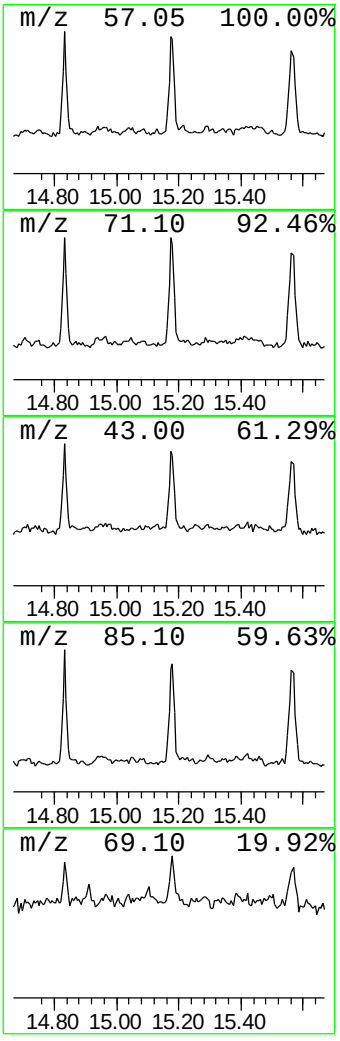
****

Peak Number 7 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	4.52 ng	199184	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	10-Methylnonadecane	282	C20H42	056862-62-5	91
5	Hexacosane	366	C26H54	000630-01-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041819\
Data File : BF113840.D
Acq On : 19 Apr 2019 2:17
Operator : JU/SJ
Sample : K2198-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-041619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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
unknown6.66	6.66	16.1	ng	646224	1	6.90	804842	20.0
Anthracene, 2-met...	11.94	2.2	ng	139218	4	11.41	1247030	20.0
Benzene, 1,1'-(1,...	12.62	2.3	ng	142153	4	11.41	1247030	20.0
1-Pentadecanethiol	13.89	2.6	ng	186718	5	14.04	1448760	20.0
Heneicosane	14.83	2.7	ng	119881	6	15.52	880607	20.0
Tetracosane	15.17	4.5	ng	199184	6	15.52	880607	20.0