LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(13-15)

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:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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	5.463	570	574	581	rBV2	24582	55468	3.21%	0.325%
2	6.481	744	747	764	rBV2	24982	89982	5.21%	0.528%
3	6.604	764	768	781	rVB	62214	107179	6.20%	0.629%
4	6.816	800	804	820	rBV	910943	1071341	62.00%	6.284%
5	6.975	827	831	846	rVB	49704	75983	4.40%	0.446%
6	7.404	901	904	914	rBV	23780	52928	3.06%	0.310%
7	8.098	1018	1022	1045	rBV	1173339	1468935	85.01%	8.616%
8	9.180	1202	1206	1214	rBV	66492	83225	4.82%	0.488%
9	9.851	1316	1320	1324	rBV2	1484910	1439018	83.28%	8.440%
10	9.880	1324	1325	1336	rVB	95207	105027	6.08%	0.616%
11	10.410	1412	1415	1421	rBV	22159	25538	1.48%	0.150%
12	10.657	1453	1457	1462	rBV3	43413	50937	2.95%	0.299%
13	11.245	1554	1557	1561	rVB	22535	22494	1.30%	0.132%
14	11.345	1570	1574	1576	rBV	1484628	1453672	84.13%	8.526%
15	11.368	1576	1578	1583	rVV	372999	364883	21.12%	2.140%
16	11.427	1583	1588	1593	rVV	104196	133480	7.72%	0.783%
17	11.586	1611	1615	1622	rBV2	60489	72178	4.18%	0.423%
18	11.845	1656	1659	1662	rBV	39711	41168	2.38%	0.241%
19	11.880	1662	1665	1669	rVV	60373	60543	3.50%	0.355%
20	11.927	1670	1673	1675	rVV2	36891	32957	1.91%	0.193%
21	11.963	1675	1679	1681	rVV	71012	80517	4.66%	0.472%
22	11.980	1681	1682	1688	rVB	35469	33788	1.96%	0.198%
23	12.145	1707	1710	1714	rVB	26021	23839	1.38%	0.140%
24	12.392	1748	1752	1755	rBV2	32145	37320	2.16%	0.219%
25	12.480	1765	1767	1772	rVB5	12102	21033	1.22%	0.123%
26	12.562	1777	1781	1789	rBV	584488	594266	34.39%	3.486%
27	12.710	1802	1806	1809	rBV2	32452	35202	2.04%	0.206%
28	12.792	1817	1820	1823	rVB	465795	418140	24.20%	2.453%
29	12.839	1826	1828	1835	rVB3	39662	44107	2.55%	0.259%
30	12.921	1837	1842	1845	rBV2	101901	105628	6.11%	0.620%
31	12.962	1845	1849	1853	rVB	38642	44214	2.56%	0.259%
32	13.010	1853	1857	1861	rVB3	39462	65824	3.81%	0.386%
33	13.051	1861	1864	1868	rBV	17105	18298	1.06%	0.107%
34	13.098	1868	1872	1873	rBV3	32672	38073	2.20%	0.223%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(13-15)

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:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.121	1873	1876	1880	rVB	111232	110749	6.41%	0.650%
36	13.186	1884	1887	1890	rBV	113148	103146	5.97%	0.605%
37	13.221	1890	1893	1896	rBV2	69160	82544	4.78%	0.484%
38	13.251	1896	1898	1901	rVB3	21304	19122	1.11%	0.112%
39	13.315	1906	1909	1912	rBV2	29593	33073	1.91%	0.194%
40	13.351	1912	1915	1921	rVB2	37138	47458	2.75%	0.278%
41	13.474	1932	1936	1939	rBV	41167	41871	2.42%	0.246%
42	13.604	1954	1958	1961	rBV3	22274	29750	1.72%	0.174%
43	13.745	1976	1982	1983	rBV	53979	54524	3.16%	0.320%
44	13.762	1983	1985	1988	rVB	62286	50629	2.93%	0.297%
45	13.798	1988	1991	1992	rBV	37852	41405	2.40%	0.243%
46	13.909	2005	2010	2015	rBV	29120	49068	2.84%	0.288%
47	13.992	2015	2024	2027	rBV2	1315141	1727977	100.00%	10.135%
48	14.015	2027	2028	2035	rVV	433012	326313	18.88%	1.914%
49	14.098	2039	2042	2045	rVV	147485	125579	7.27%	0.737%
50	14.156	2049	2052	2056	rVV4	18850	30522	1.77%	0.179%
51	14.192	2056	2058	2060	rVV	45477	44172	2.56%	0.259%
52	14.227	2062	2064	2067	rVB	60738	49165	2.85%	0.288%
53	14.309	2074	2078	2081	rBV3	17686	23163	1.34%	0.136%
54	14.345	2081	2084	2085	rVV	40116	42586	2.46%	0.250%
55	14.380	2085	2090	2093	rVV	132679	170892	9.89%	1.002%
56	14.415	2093	2096	2098	rVV2	52522	56142	3.25%	0.329%
57	14.456	2100	2103	2105	rVV4	34261	47085	2.72%	0.276%
58	14.480	2105	2107	2109	rVV	65176	61299	3.55%	0.360%
59	14.504	2109	2111	2113	rVV	59218	62079	3.59%	0.364%
60	14.527	2113	2115	2118	rVV	75872	71810	4.16%	0.421%
61	14.574	2121	2123	2126	rVV2	37395	35166	2.04%	0.206%
62	14.627	2130	2132	2138	rVB2	17353	17401	1.01%	0.102%
63	14.709	2141	2146	2147	rBV3	27831	40502	2.34%	0.238%
64	14.727	2147	2149	2154	rVB4	25666	29992	1.74%	0.176%
65	14.880	2171	2175	2178	rBV2	52709	66284	3.84%	0.389%
66	14.927	2181	2183	2188	rVB6	21904	27748	1.61%	0.163%
67	14.986	2190	2193	2196	rVB	20181	18960	1.10%	0.111%
68	15.033	2196	2201	2204	rBV	469429	667586	38.63%	3.916%
69	15.109	2211	2214	2216	rVB	22240	22556	1.31%	0.132%
70	15.145	2216	2220	2224	rVB	121918	131022	7.58%	0.768%
71	15.227	2231	2234	2235	rBV2	39311	40465	2.34%	0.237%

LSC Area Percent Report

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Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(13-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.280	2239	2243	2248	rVV3	40489	81284	4.70%	0.477%
73	15.339	2248	2253	2259	rVB	274743	372505	21.56%	2.185%
74	15.398	2259	2263	2268	rBV	485236	576340	33.35%	3.380%
75	15.462	2269	2274	2277	rVV	710196	896441	51.88%	5.258%
76	15.492	2277	2279	2286	rVB2	142863	212147	12.28%	1.244%
77	15.639	2299	2304	2306	rBV2	39342	61327	3.55%	0.360%
78	15.686	2307	2312	2317	rVB4	54212	123404	7.14%	0.724%
79	15.815	2331	2334	2339	rBV6	18370	37896	2.19%	0.222%
80	15.945	2353	2356	2359	rBV3	23420	28020	1.62%	0.164%
81	16.027	2366	2370	2374	rBV2	33959	48635	2.81%	0.285%
82	16.180	2392	2396	2399	rBV3	19670	31178	1.80%	0.183%
83	16.362	2422	2427	2434	rVB8	28154	63943	3.70%	0.375%
84	16.733	2486	2490	2494	rBV3	31515	50591	2.93%	0.297%
85	16.774	2494	2497	2503	rVB5	29945	50811	2.94%	0.298%
86	16.874	2510	2514	2518	rVB5	19232	33192	1.92%	0.195%
87	16.939	2518	2525	2532	rVV2	274462	536182	31.03%	3.145%
88	17.009	2535	2537	2543	rVB2	24112	32793	1.90%	0.192%
89	17.109	2548	2554	2559	rBV2	75350	158717	9.19%	0.931%
90	17.168	2559	2564	2570	rBV2	49764	89887	5.20%	0.527%
91	17.386	2595	2601	2612	rVB	193088	393327	22.76%	2.307%
92	17.639	2636	2644	2654	rVB	79951	203703	11.79%	1.195%

Sum of corrected areas: 17049313

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Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
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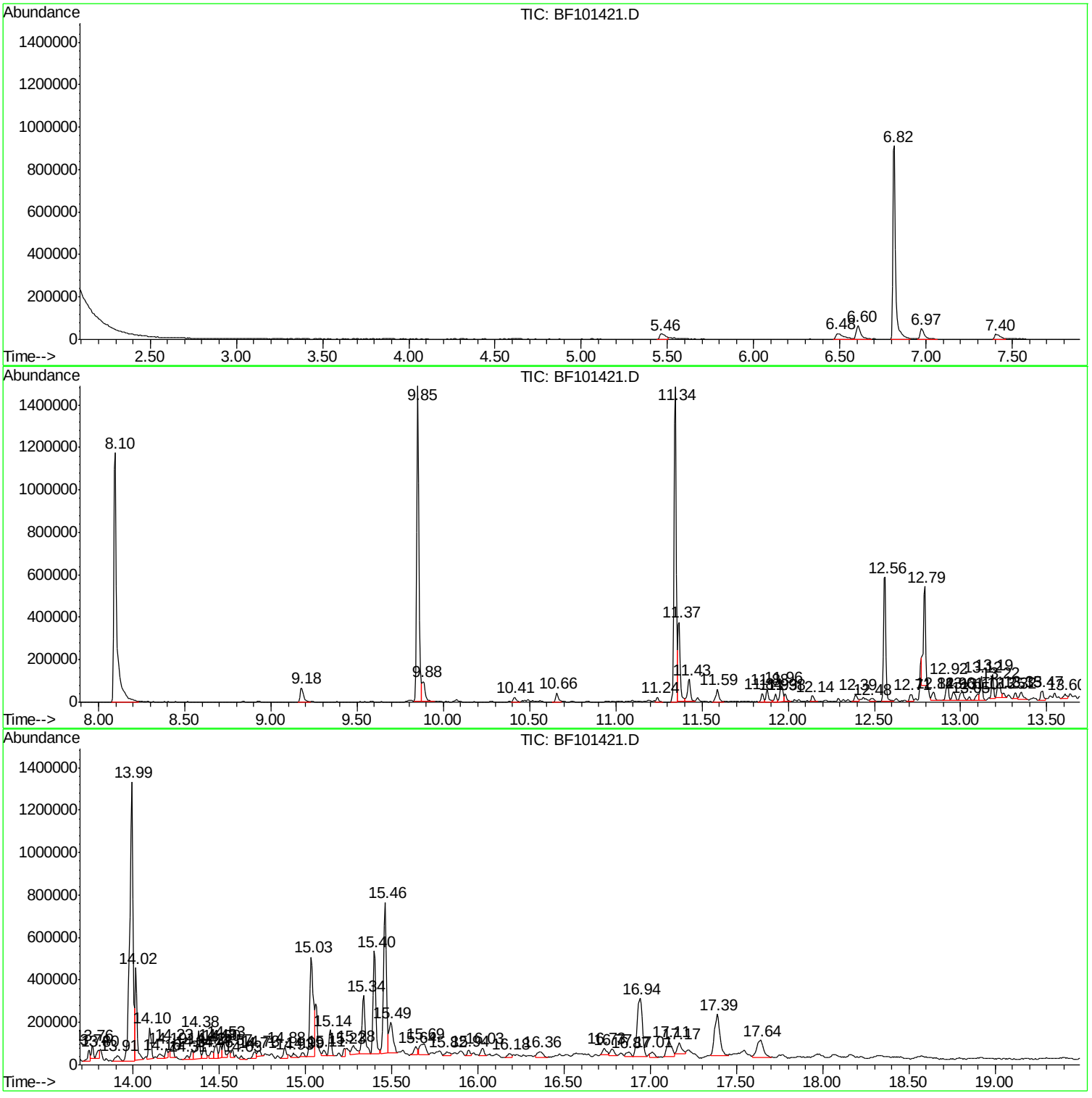
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
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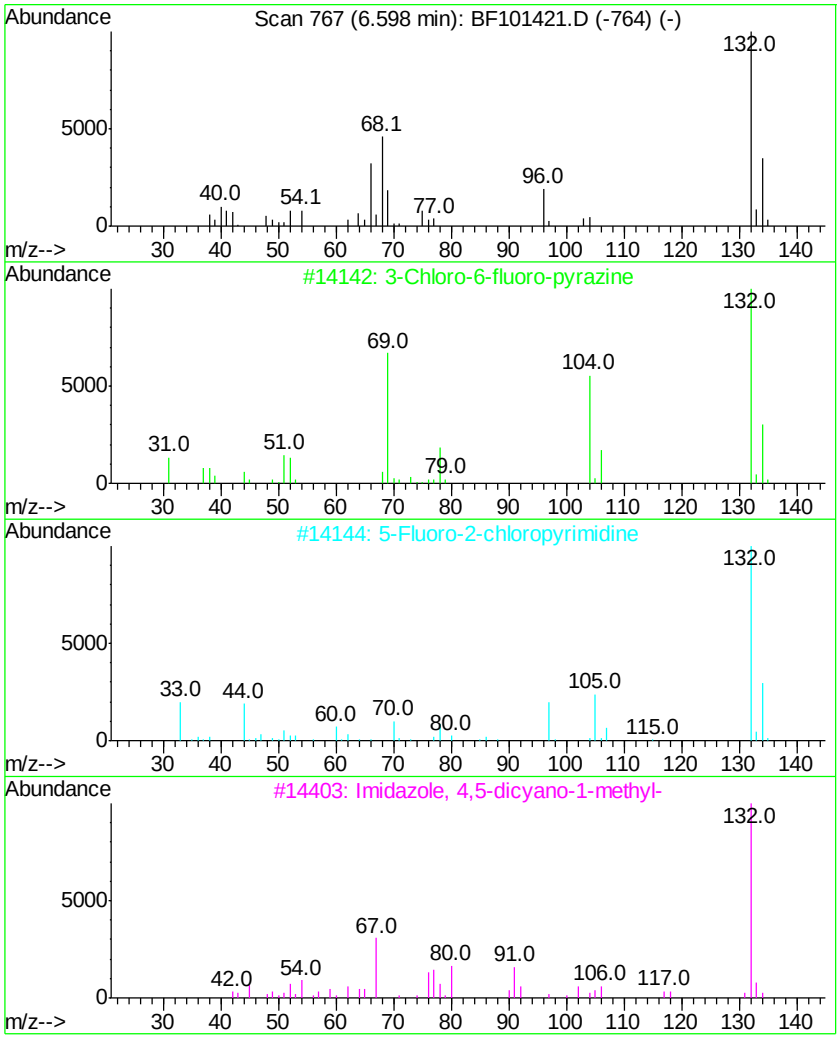
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

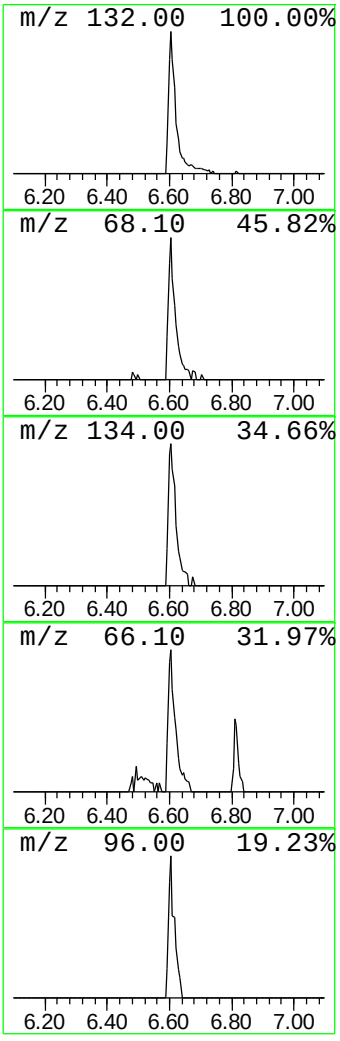
****

Peak Number 1 unknown6.60 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	2.00 ng	107179	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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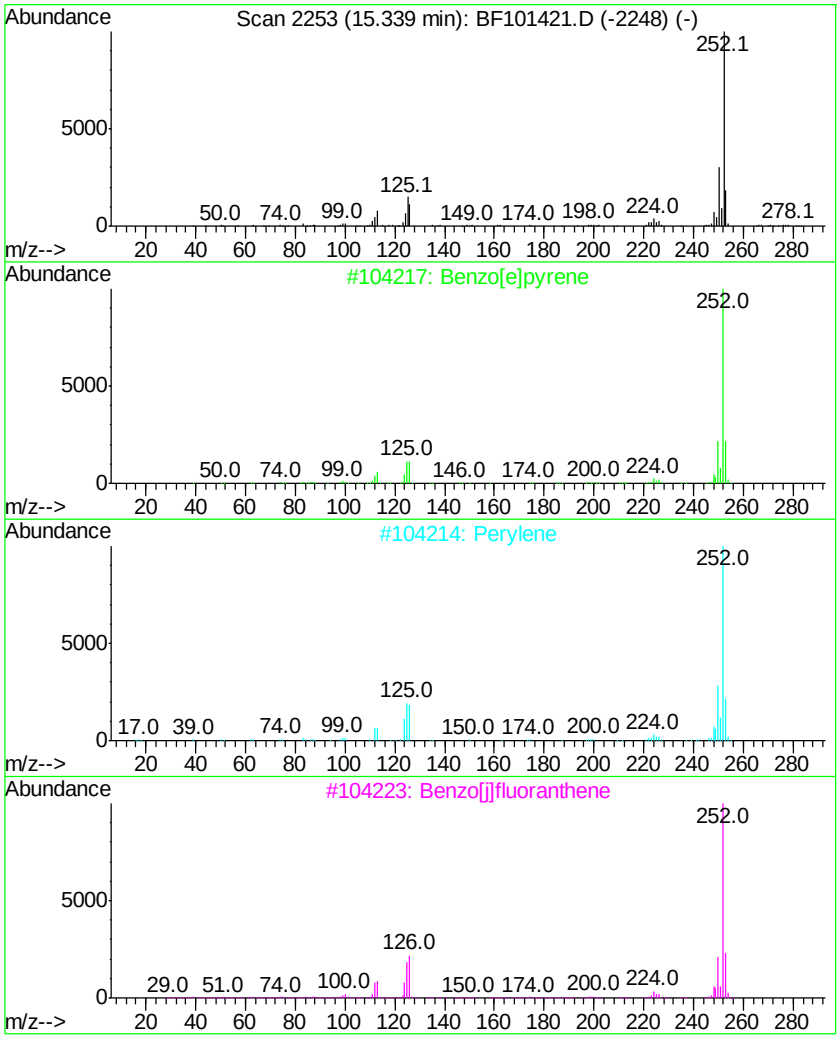
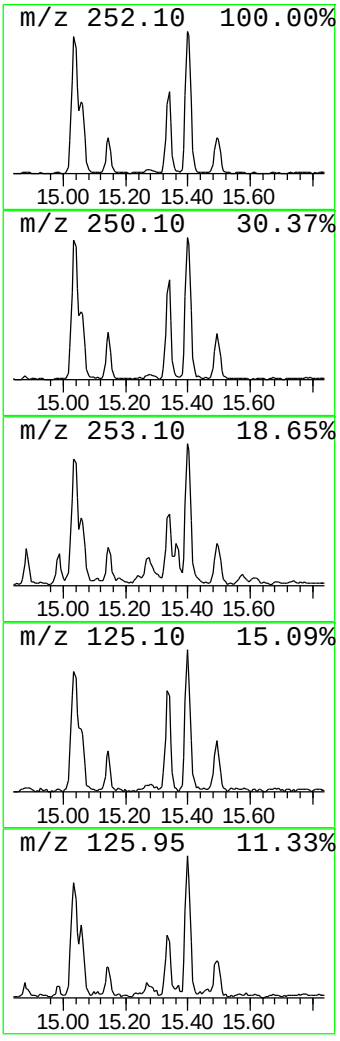
Peak Number 3 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	8.31 ng	372505	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	86
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76





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Instrument : BNA_F
ClientSampleId : SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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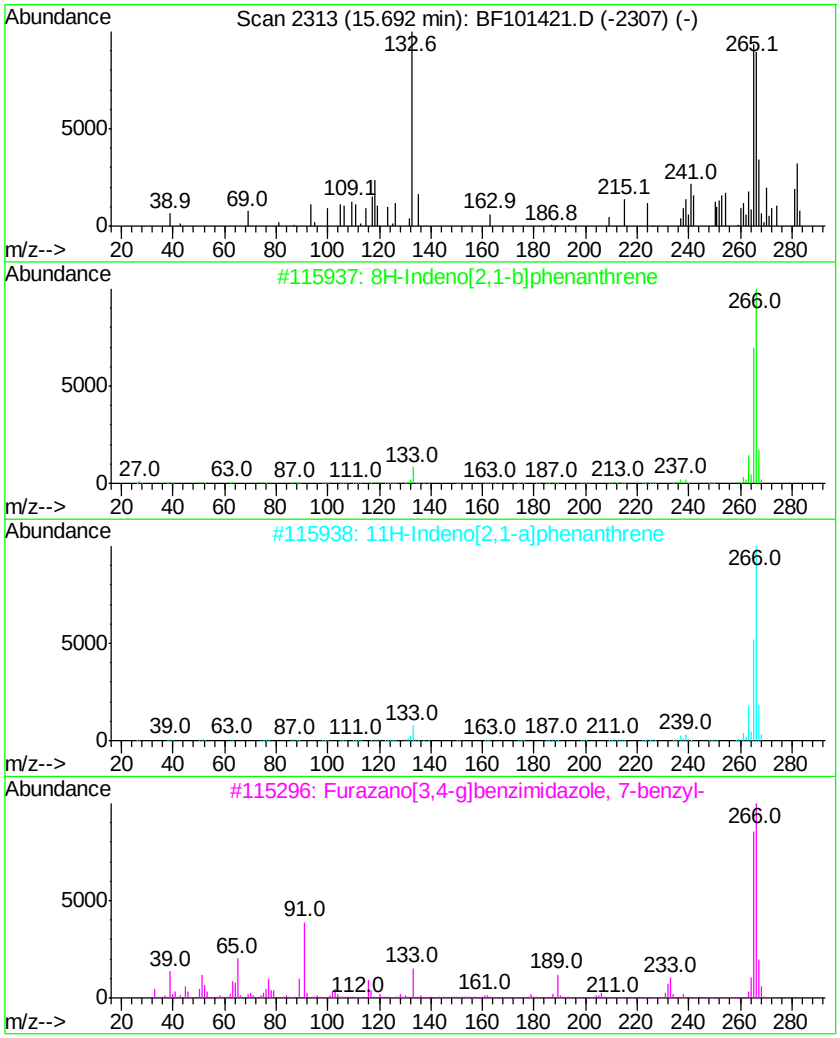
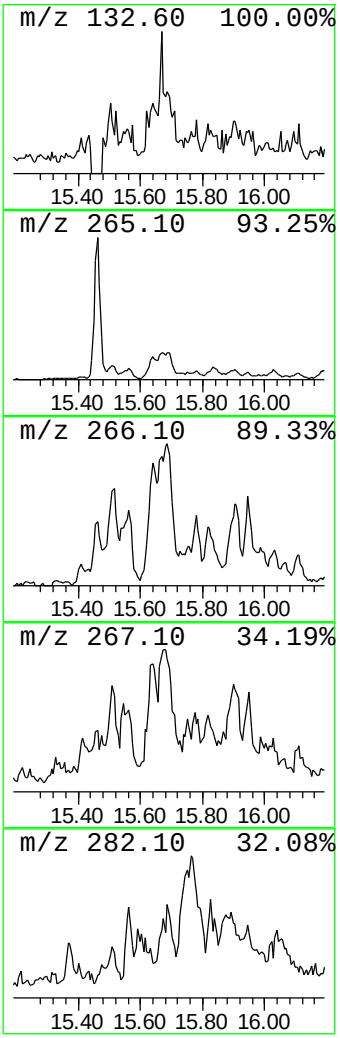
Peak Number 4 8H-Indeno[2,1-b]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.75 ng	123404	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	59
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	59
3	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	43
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	38
5	3,4-Dihydroisoquinoline, 1-[3-hy...	267	C17H17NO2	084375-15-5	38





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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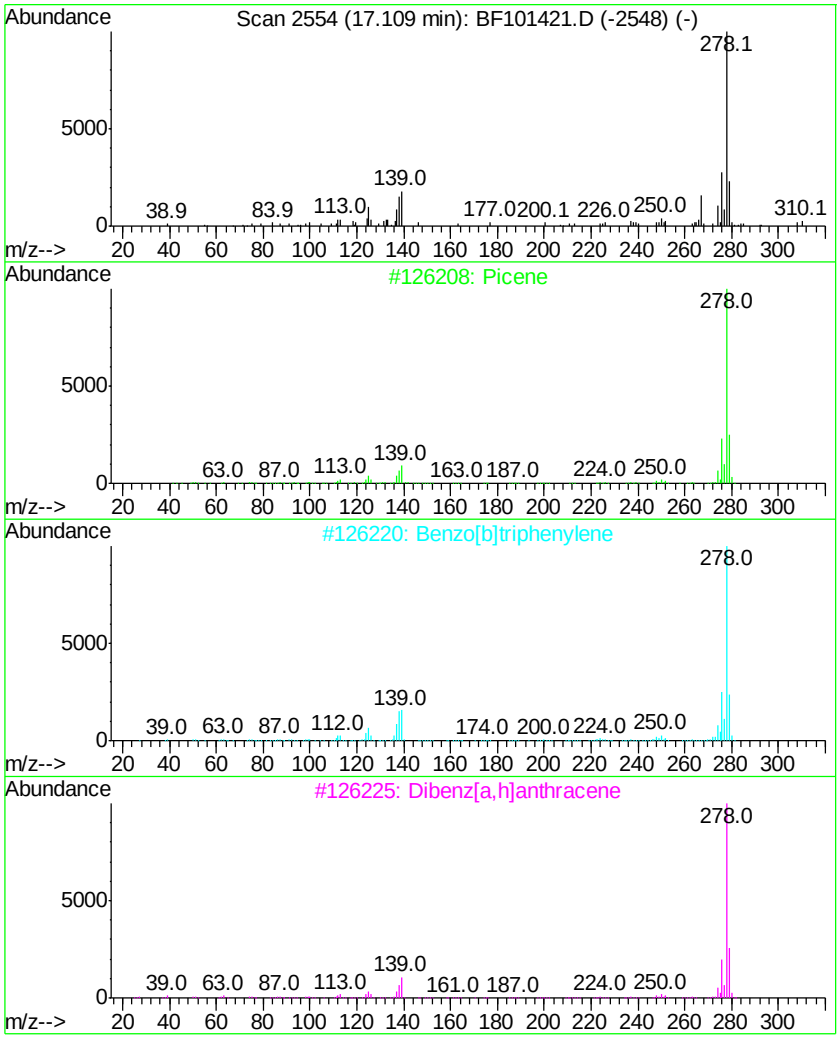
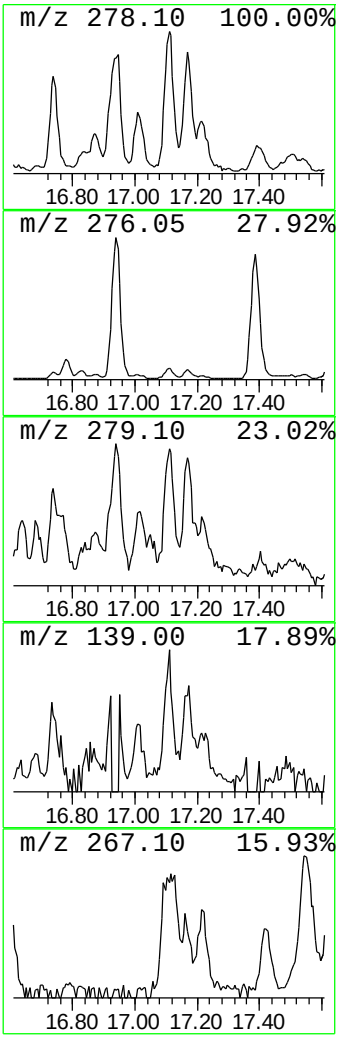
Peak Number 5 Picene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	3.54 ng	158717	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	89
5	Pentaphene	278	C22H14	000222-93-5	89





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Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

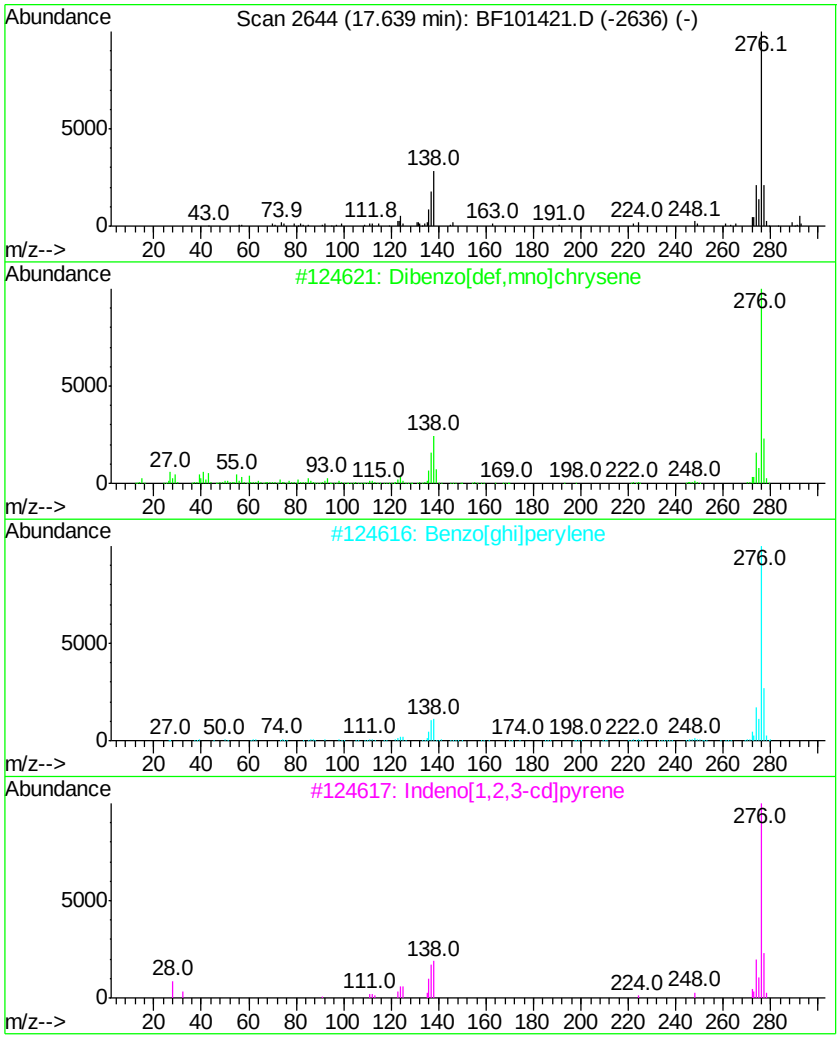
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

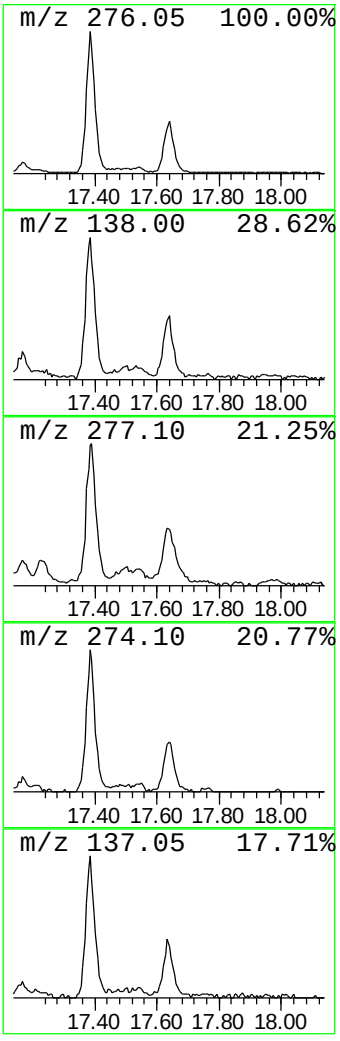
****

Peak Number 7 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	4.54 ng	203703	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF121417\
Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.60	6.60	2.0	ng	107179	1	6.82	1071340	20.0
Benzo[e]pyrene	15.34	8.3	ng	372505	6	15.46	896441	20.0
8H-Indeno[2,1-b]p...	15.69	2.8	ng	123404	6	15.46	896441	20.0
Picene	17.11	3.5	ng	158717	6	15.46	896441	20.0
Dibenzo[def,mno]c...	17.64	4.5	ng	203703	6	15.46	896441	20.0