LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099284.D
Acq On : 10 Oct 2017 1:28
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-C

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-BF092317.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	5.081	507	509	517	rVB	9588	10484	1.18%	0.099%
2	5.481	574	577	587	rBV	71802	74797	8.42%	0.703%
3	6.487	746	748	759	rBV	79846	78079	8.79%	0.734%
4	6.628	769	772	780	rBB	103038	90457	10.19%	0.851%
5	6.863	808	812	816	rBV	703446	577658	65.06%	5.433%
6	7.016	835	838	845	rBB	86052	70676	7.96%	0.665%
7	7.422	904	907	914	rBV	52810	47158	5.31%	0.444%
8	8.145	1026	1030	1033	rBV	973319	788819	88.84%	7.419%
9	8.857	1148	1151	1158	rBB	49161	38364	4.32%	0.361%
10	8.957	1165	1168	1173	rBB	30969	25967	2.92%	0.244%
11	9.216	1209	1212	1222	rVB	142421	107881	12.15%	1.015%
12	9.486	1252	1258	1261	rBV2	18343	24845	2.80%	0.234%
13	9.557	1266	1270	1272	rBV	27666	27433	3.09%	0.258%
14	9.580	1272	1274	1277	rVB	19498	14801	1.67%	0.139%
15	9.675	1286	1290	1292	rBV	11329	10615	1.20%	0.100%
16	9.757	1302	1304	1308	rVB	14497	11745	1.32%	0.110%
17	9.898	1324	1328	1331	rBV2	960436	800267	90.13%	7.526%
18	9.927	1331	1333	1337	rVB	109562	93970	10.58%	0.884%
19	10.104	1359	1363	1366	rBV	85037	74038	8.34%	0.696%
20	10.445	1418	1421	1427	rBV	189868	155064	17.46%	1.458%
21	10.533	1434	1436	1438	rVB2	19093	13680	1.54%	0.129%
22	10.604	1445	1448	1451	rVB	29437	25797	2.91%	0.243%
23	10.686	1456	1462	1467	rBV2	67863	72336	8.15%	0.680%
24	10.992	1508	1514	1517	rBV2	32721	31002	3.49%	0.292%
25	11.122	1531	1536	1537	rBV2	11212	13215	1.49%	0.124%
26	11.192	1545	1548	1551	rVB2	11763	11155	1.26%	0.105%
27	11.233	1552	1555	1558	rBV2	15291	17082	1.92%	0.161%
28	11.280	1561	1563	1567	rVB	35958	27905	3.14%	0.262%
29	11.386	1577	1581	1583	rBV	837629	714840	80.51%	6.723%
30	11.410	1583	1585	1588	rVV	767109	577637	65.05%	5.433%
31	11.463	1589	1594	1597	rVB	249495	213485	24.04%	2.008%
32	11.616	1616	1620	1629	rBV2	46636	52978	5.97%	0.498%
33	11.886	1661	1666	1668	rBV	82587	65416	7.37%	0.615%
34	11.916	1668	1671	1674	rVV	109683	89152	10.04%	0.838%

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Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-C

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.963	1675	1679	1682	rVV	54709	45442	5.12%	0.427%
36	11.998	1682	1685	1688	rVV	125970	137504	15.49%	1.293%
37	12.021	1688	1689	1694	rVB	46744	26305	2.96%	0.247%
38	12.180	1713	1716	1719	rBV	46427	36070	4.06%	0.339%
39	12.327	1737	1741	1744	rBV2	12004	10665	1.20%	0.100%
40	12.363	1744	1747	1749	rBV	13059	11512	1.30%	0.108%
41	12.433	1755	1759	1762	rBV	31503	31283	3.52%	0.294%
42	12.474	1762	1766	1768	rVV2	20818	25991	2.93%	0.244%
43	12.521	1771	1774	1781	rVB3	22698	29722	3.35%	0.280%
44	12.598	1783	1787	1791	rBV	699215	573302	64.57%	5.392%
45	12.663	1796	1798	1801	rVB	14648	11074	1.25%	0.104%
46	12.751	1810	1813	1816	rBV2	13229	13047	1.47%	0.123%
47	12.827	1819	1826	1832	rBV2	507868	549391	61.87%	5.167%
48	12.874	1832	1834	1839	rVB2	26684	27721	3.12%	0.261%
49	12.963	1842	1849	1851	rBV2	103921	101205	11.40%	0.952%
50	12.986	1851	1853	1857	rVB	20465	19314	2.18%	0.182%
51	13.039	1857	1862	1867	rBV2	34974	58955	6.64%	0.554%
52	13.127	1874	1877	1879	rBV3	29345	34897	3.93%	0.328%
53	13.157	1879	1882	1885	rVB	97964	90060	10.14%	0.847%
54	13.221	1890	1893	1896	rVV	95581	77776	8.76%	0.731%
55	13.257	1896	1899	1902	rVV2	56066	63641	7.17%	0.599%
56	13.351	1911	1915	1918	rVB	23818	21294	2.40%	0.200%
57	13.380	1918	1920	1924	rBV2	22929	25588	2.88%	0.241%
58	13.574	1952	1953	1956	rVB	14074	10734	1.21%	0.101%
59	13.633	1960	1963	1966	rBV	15543	18896	2.13%	0.178%
60	13.663	1966	1968	1972	rVB	32251	33263	3.75%	0.313%
61	13.774	1983	1987	1989	rBV	37137	36120	4.07%	0.340%
62	13.804	1989	1992	1994	rVV	40797	39194	4.41%	0.369%
63	13.827	1994	1996	2001	rVV2	31888	49533	5.58%	0.466%
64	13.874	2001	2004	2008	rVB	29166	29511	3.32%	0.278%
65	13.945	2011	2016	2018	rBV	11282	14035	1.58%	0.132%
66	14.027	2022	2030	2032	rBV2	695291	887935	100.00%	8.351%
67	14.051	2032	2034	2042	rVB	259363	221299	24.92%	2.081%
68	14.133	2045	2048	2051	rVV	39685	34627	3.90%	0.326%
69	14.174	2052	2055	2058	rVV2	21260	25003	2.82%	0.235%
70	14.215	2060	2062	2064	rVV	19389	18609	2.10%	0.175%
71	14.251	2064	2068	2072	rVB2	24400	33170	3.74%	0.312%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-100517-C

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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.345	2081	2084	2086	rBV2	10195	11397	1.28%	0.107%
73	14.374	2086	2089	2091	rVV2	22474	25579	2.88%	0.241%
74	14.410	2091	2095	2098	rVV	70363	81077	9.13%	0.763%
75	14.445	2098	2101	2104	rVV3	30410	30999	3.49%	0.292%
76	14.510	2104	2112	2114	rVV2	28525	50795	5.72%	0.478%
77	14.533	2114	2116	2118	rVV	31595	29986	3.38%	0.282%
78	14.557	2118	2120	2123	rVV	34750	31943	3.60%	0.300%
79	14.604	2123	2128	2131	rVB2	14432	22279	2.51%	0.210%
80	14.727	2146	2149	2151	rBV4	11597	14513	1.63%	0.136%
81	14.904	2175	2179	2183	rBV2	19727	26160	2.95%	0.246%
82	14.968	2186	2190	2195	rBV6	7326	11048	1.24%	0.104%
83	15.068	2202	2207	2210	rBV	204969	310679	34.99%	2.922%
84	15.174	2222	2225	2230	rVB	47520	52667	5.93%	0.495%
85	15.274	2237	2242	2243	rBV3	12778	19543	2.20%	0.184%
86	15.374	2254	2259	2265	rVB	109323	140717	15.85%	1.323%
87	15.439	2265	2270	2276	rBV	171315	218722	24.63%	2.057%
88	15.504	2276	2281	2284	rVV	437490	556726	62.70%	5.236%
89	15.533	2284	2286	2294	rVB2	48713	67256	7.57%	0.633%
90	15.809	2330	2333	2338	rVB6	7395	13835	1.56%	0.130%
91	15.862	2338	2342	2346	rVB5	7254	11619	1.31%	0.109%
92	15.939	2349	2355	2359	rBV5	14794	28474	3.21%	0.268%
93	16.062	2373	2376	2381	rVB3	12027	16058	1.81%	0.151%
94	16.433	2434	2439	2444	rBV5	10070	18391	2.07%	0.173%
95	16.786	2492	2499	2503	rBV5	11496	28629	3.22%	0.269%
96	16.980	2525	2532	2543	rBV3	58002	133650	15.05%	1.257%
97	17.162	2558	2563	2567	rBV	15163	25523	2.87%	0.240%
98	17.215	2568	2572	2577	rVB5	9258	14764	1.66%	0.139%
99	17.433	2603	2609	2620	rBV	39139	92079	10.37%	0.866%
100	17.680	2645	2651	2655	rBV3	12289	25090	2.83%	0.236%

Sum of corrected areas: 10632684

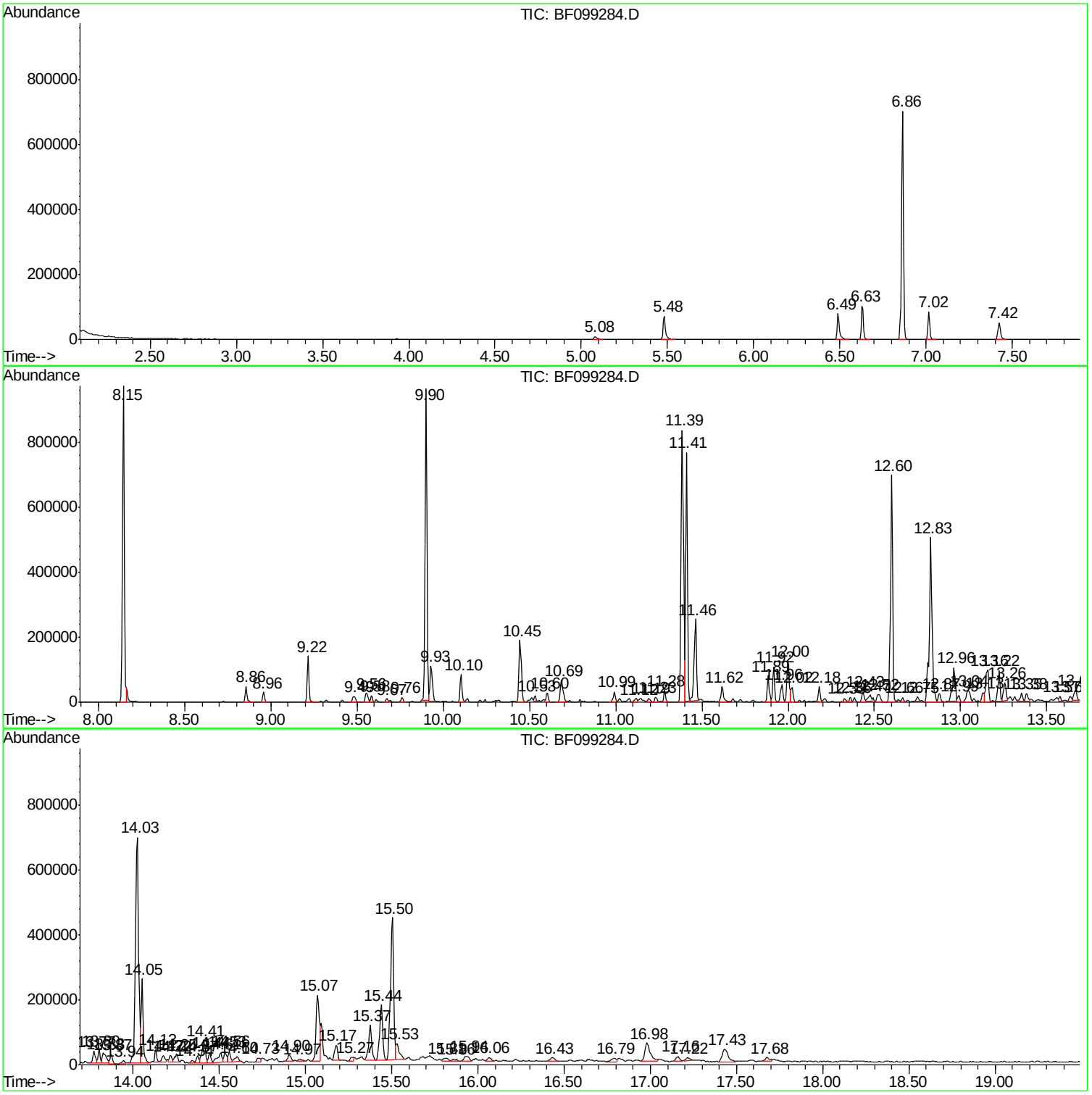
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099284.D
Acq On : 10 Oct 2017 1:28
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099284.D
Acq On : 10 Oct 2017 1:28
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

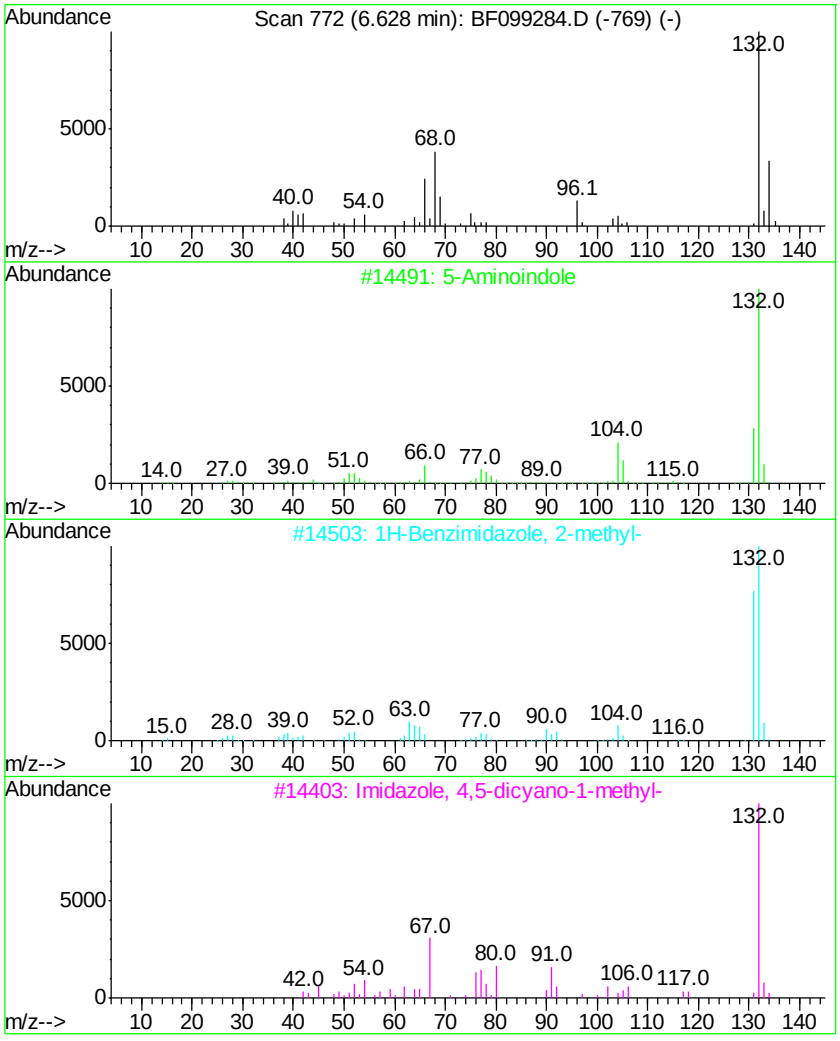
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

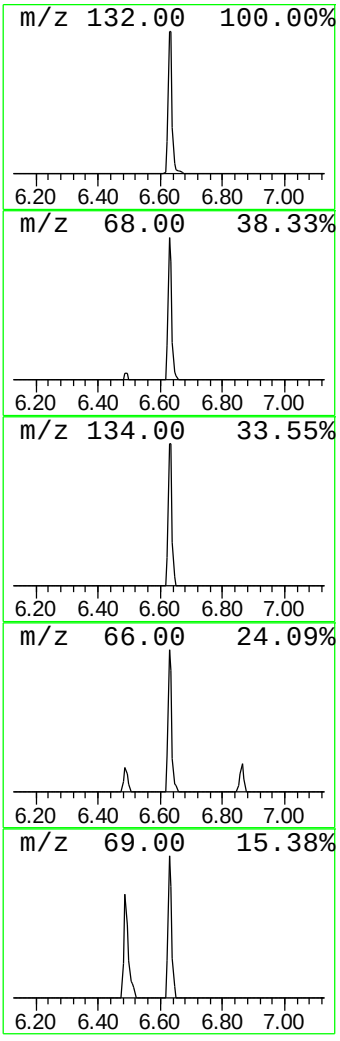
****

Peak Number 1 unknown6.63 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	3.13 ng	90457	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	10
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
3	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
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Operator : SJ/JU
Sample : I5715-07 25X
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

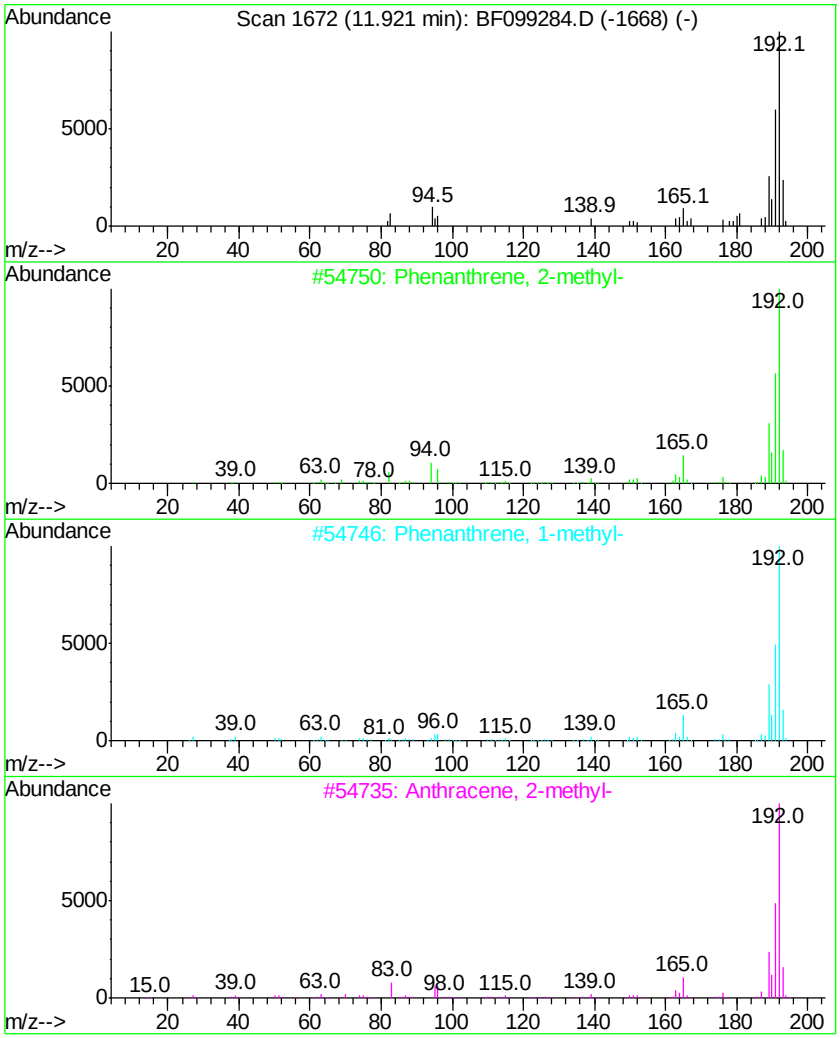
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

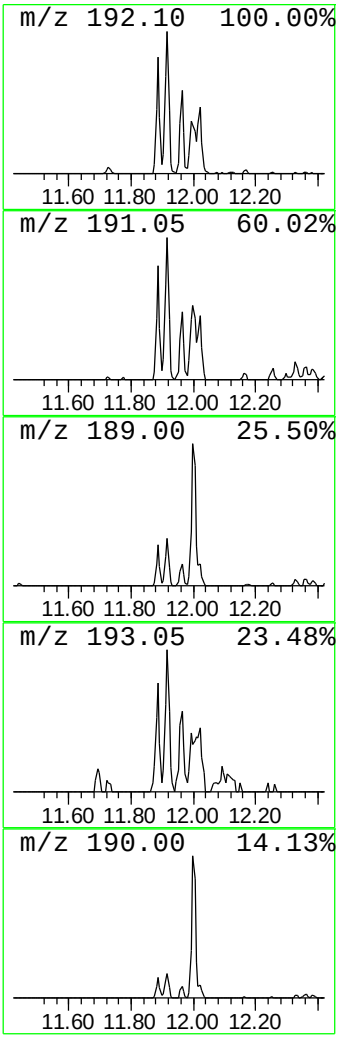
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.49 ng	89152	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
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Misc :
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Instrument : BNA_F
ClientSampleId : PL-02-100517-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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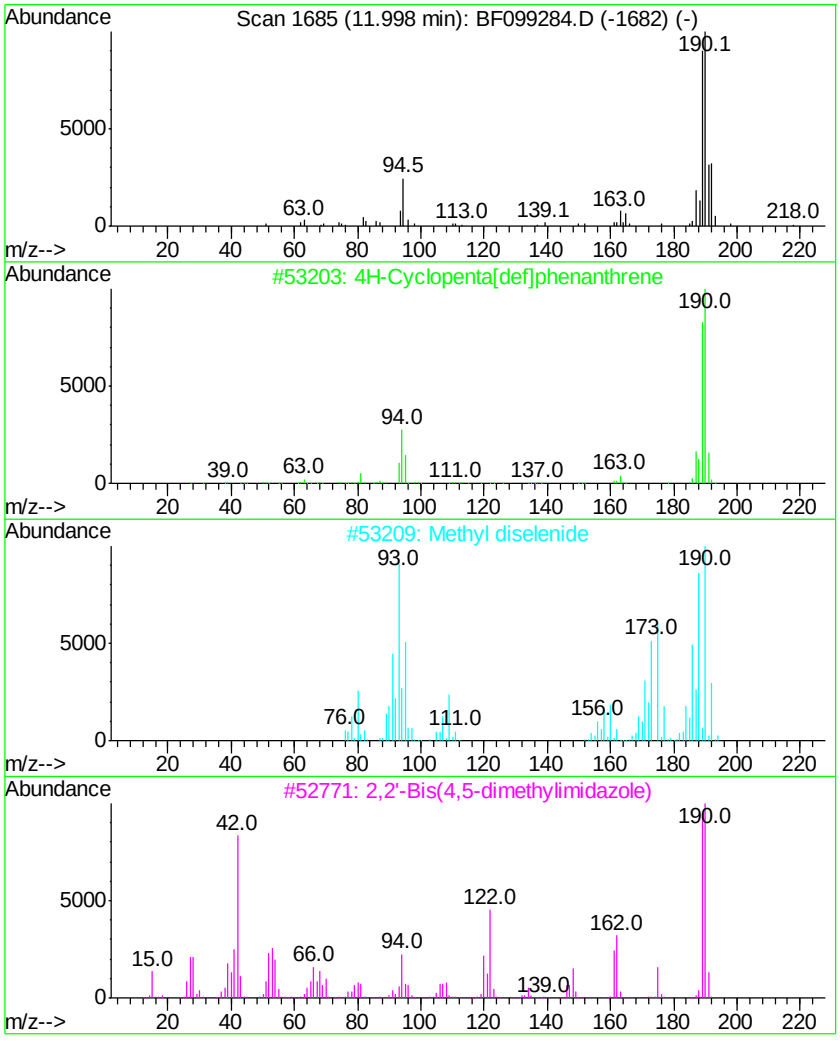
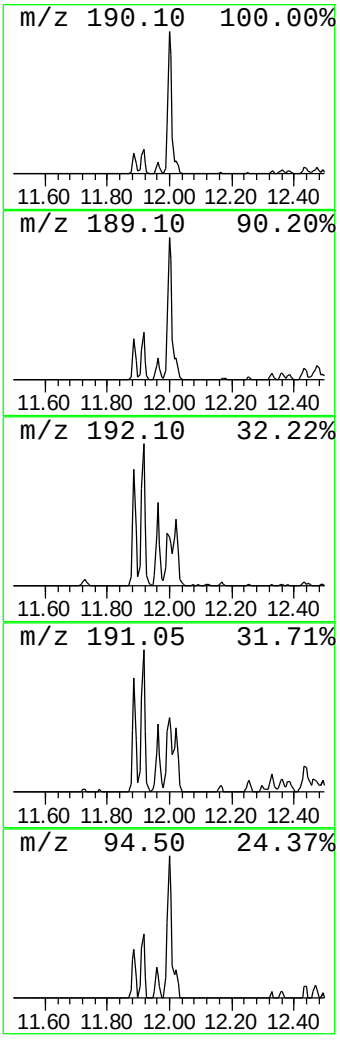
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.85 ng	137504	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





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Instrument : BNA_F
ClientSampleId : PL-02-100517-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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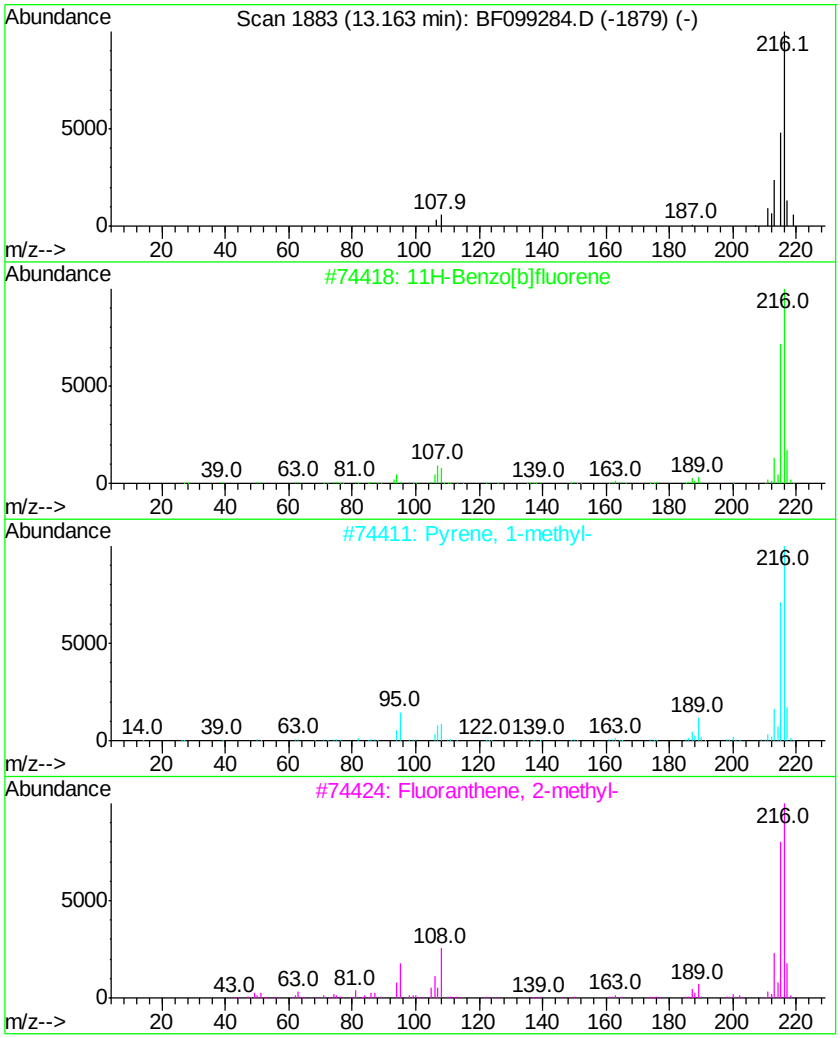
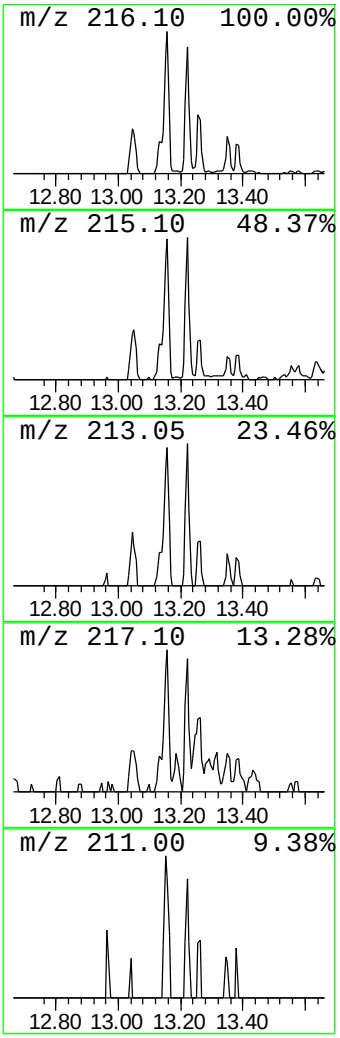
Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.03 ng	90060	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Data File : BF099284.D
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Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

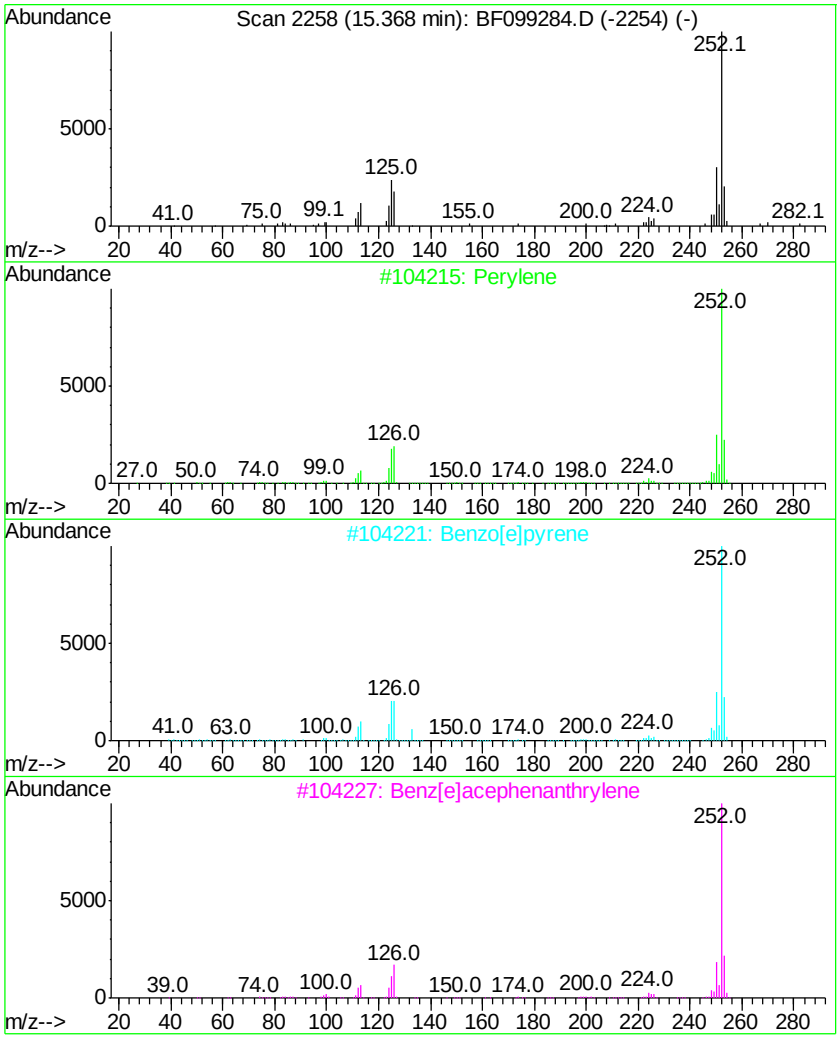
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

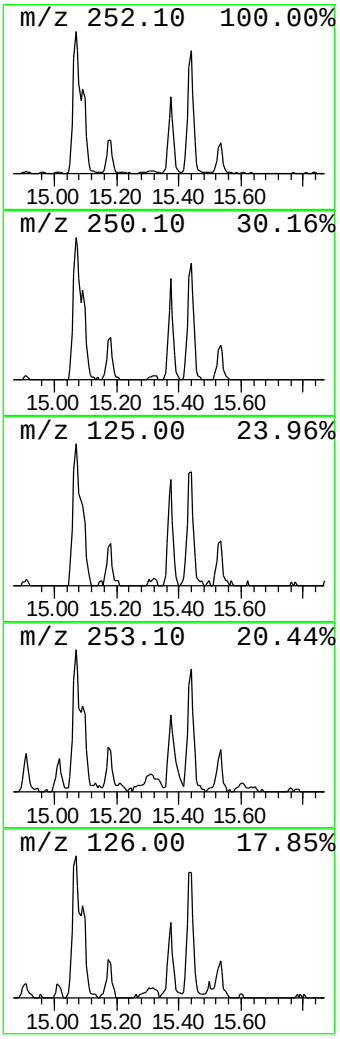
****

Peak Number 6 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	5.06 ng	140717	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100917\
Data File : BF099284.D
Acq On : 10 Oct 2017 1:28
Operator : SJ/JU
Sample : I5715-07 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-100517-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
unknown6.63	6.63	3.1	ng	90457	1	6.86	577658	20.0
Phenanthrene, 2-m...	11.92	2.5	ng	89152	4	11.39	714840	20.0
4H-Cyclopenta[def...	12.00	3.9	ng	137504	4	11.39	714840	20.0
11H-Benzo[b]fluorene	13.16	2.0	ng	90060	5	14.03	887935	20.0
Perylene	15.37	5.1	ng	140717	6	15.50	556726	20.0