LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

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-BF010915.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	1.487	34	35	45	rBV	120039	207440	28.22%	2.022%
2	4.242	274	276	284	rBB	18814	40437	5.50%	0.394%
3	5.167	355	357	365	rBB	62653	115532	15.72%	1.126%
4	7.488	557	560	566	rBV	67044	121252	16.49%	1.182%
5	7.579	566	568	573	rVB	81298	139094	18.92%	1.356%
6	8.082	609	612	616	rBB	115803	176950	24.07%	1.725%
7	8.402	637	640	644	rBB	67845	102143	13.89%	0.996%
8	9.373	722	725	731	rBB	51023	79637	10.83%	0.776%
9	10.985	863	866	869	rBV	160065	254539	34.63%	2.481%
10	11.031	869	870	874	rVB	9304	13962	1.90%	0.136%
11	12.700	1013	1016	1018	rVB	6946	10341	1.41%	0.101%
12	12.905	1032	1034	1039	rBB	6129	11863	1.61%	0.116%
13	13.637	1095	1098	1102	rVB	103324	150008	20.41%	1.462%
14	14.780	1194	1198	1201	rBV	50232	82765	11.26%	0.807%
15	15.123	1225	1228	1232	rBB	178002	271106	36.88%	2.643%
16	15.203	1232	1235	1238	rBB	10778	19522	2.66%	0.190%
17	15.614	1269	1271	1274	rBV	7419	12663	1.72%	0.123%
18	16.323	1330	1333	1338	rBB	18584	30619	4.17%	0.298%
19	16.643	1359	1361	1364	rBV	9314	12114	1.65%	0.118%
20	16.769	1369	1372	1376	rBV3	66678	99694	13.56%	0.972%
21	16.974	1388	1390	1394	rBB	8498	10661	1.45%	0.104%
22	17.226	1407	1412	1415	rBV2	14367	27187	3.70%	0.265%
23	17.329	1419	1421	1424	rVV	7241	7944	1.08%	0.077%
24	17.420	1424	1429	1432	rVV3	5282	9592	1.30%	0.093%
25	17.511	1434	1437	1439	rBV2	10399	17687	2.41%	0.172%
26	17.580	1439	1443	1445	rVV2	28225	40074	5.45%	0.391%
27	17.694	1448	1453	1456	rBV2	13067	25310	3.44%	0.247%
28	17.854	1465	1467	1468	rBV	263048	280466	38.15%	2.734%
29	17.889	1468	1470	1472	rVV	341849	365378	49.70%	3.562%
30	17.969	1474	1477	1479	rVV	109301	142486	19.38%	1.389%
31	18.026	1479	1482	1485	rVV3	7622	11430	1.55%	0.111%
32	18.151	1489	1493	1494	rBV	4052	9978	1.36%	0.097%
33	18.174	1494	1495	1499	rVB	6099	9345	1.27%	0.091%
34	18.243	1499	1501	1504	rBV	59210	66826	9.09%	0.651%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

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-BF010915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.334	1508	1509	1511	rBV2	10430	13767	1.87%	0.134%
36	18.597	1530	1532	1533	rBV	34531	48423	6.59%	0.472%
37	18.632	1533	1535	1538	rVV	44544	57836	7.87%	0.564%
38	18.689	1538	1540	1542	rVV	28818	39830	5.42%	0.388%
39	18.723	1542	1543	1545	rVV2	48359	76492	10.41%	0.746%
40	18.769	1545	1547	1550	rVV	30674	44270	6.02%	0.432%
41	18.826	1550	1552	1554	rVV2	11332	17212	2.34%	0.168%
42	18.872	1554	1556	1557	rVV2	6591	10078	1.37%	0.098%
43	18.906	1557	1559	1562	rVV3	12292	24727	3.36%	0.241%
44	18.963	1562	1564	1567	rVV2	17120	25982	3.53%	0.253%
45	19.032	1567	1570	1574	rVB3	59345	108376	14.74%	1.056%
46	19.214	1584	1586	1587	rBV	10420	12524	1.70%	0.122%
47	19.249	1587	1589	1590	rVV	10458	11194	1.52%	0.109%
48	19.340	1595	1597	1599	rBV	41409	55095	7.49%	0.537%
49	19.374	1599	1600	1602	rVV2	17204	25897	3.52%	0.252%
50	19.420	1602	1604	1610	rVB2	33090	68719	9.35%	0.670%
51	19.523	1610	1613	1616	rBV	554772	605984	82.43%	5.907%
52	19.592	1617	1619	1621	rBV2	15551	21433	2.92%	0.209%
53	19.649	1621	1624	1627	rVB2	38883	52595	7.15%	0.513%
54	19.706	1627	1629	1635	rBV4	21966	58205	7.92%	0.567%
55	19.809	1635	1638	1640	rBV	632038	636265	86.55%	6.202%
56	19.855	1640	1642	1644	rBV3	6888	13096	1.78%	0.128%
57	19.900	1644	1646	1648	rVB	17928	24204	3.29%	0.236%
58	19.935	1648	1649	1651	rVB2	13053	13863	1.89%	0.135%
59	20.015	1651	1656	1659	rBV3	35436	101745	13.84%	0.992%
60	20.072	1659	1661	1663	rBV	143927	173762	23.64%	1.694%
61	20.117	1663	1665	1667	rVB	39072	49986	6.80%	0.487%
62	20.163	1667	1669	1671	rVB	20249	20450	2.78%	0.199%
63	20.255	1671	1677	1679	rBV3	48835	142356	19.37%	1.388%
64	20.300	1679	1681	1682	rBV2	8558	11824	1.61%	0.115%
65	20.335	1682	1684	1686	rBV2	28608	41610	5.66%	0.406%
66	20.380	1686	1688	1692	rBV2	52646	114969	15.64%	1.121%
67	20.483	1694	1697	1699	rBV2	39362	62282	8.47%	0.607%
68	20.529	1699	1701	1703	rVV	19658	25850	3.52%	0.252%
69	20.597	1705	1707	1708	rVB2	12306	12557	1.71%	0.122%
70	20.632	1708	1710	1712	rBV3	9511	14451	1.97%	0.141%
71	20.769	1717	1722	1724	rBV6	19704	72136	9.81%	0.703%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

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-BF010915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.895	1730	1733	1737	rVB	66977	94247	12.82%	0.919%
73	21.020	1741	1744	1746	rBV	63498	97538	13.27%	0.951%
74	21.078	1746	1749	1751	rVB2	51226	89640	12.19%	0.874%
75	21.112	1751	1752	1754	rBV2	32162	44263	6.02%	0.431%
76	21.158	1754	1756	1759	rVB	65303	76268	10.38%	0.743%
77	21.238	1761	1763	1767	rVB	36058	54931	7.47%	0.535%
78	21.340	1767	1772	1773	rBV2	381514	735110	100.00%	7.166%
79	21.375	1773	1775	1777	rVV2	251544	319986	43.53%	3.119%
80	21.409	1777	1778	1781	rVB2	11892	20863	2.84%	0.203%
81	21.455	1781	1782	1784	rBV2	31145	45256	6.16%	0.441%
82	21.592	1792	1794	1797	rVB2	36435	62631	8.52%	0.611%
83	21.649	1797	1799	1801	rBV	43447	65216	8.87%	0.636%
84	21.786	1809	1811	1812	rBV2	19841	27776	3.78%	0.271%
85	21.832	1812	1815	1817	rVV	65687	102336	13.92%	0.998%
86	21.878	1817	1819	1821	rVB3	31274	42680	5.81%	0.416%
87	22.095	1836	1838	1841	rVB3	34107	40233	5.47%	0.392%
88	22.220	1846	1849	1851	rBV3	33462	55131	7.50%	0.537%
89	22.586	1878	1881	1886	rBV	322875	665834	90.58%	6.490%
90	22.689	1888	1890	1893	rVB	77240	96719	13.16%	0.943%
91	22.746	1893	1895	1897	rBV	27439	45714	6.22%	0.446%
92	22.872	1904	1906	1909	rVB	195722	253280	34.45%	2.469%
93	22.929	1909	1911	1915	rBV	226056	298277	40.58%	2.907%
94	22.998	1915	1917	1918	rBV	188149	248986	33.87%	2.427%
95	24.004	2003	2005	2011	rVB	68632	127626	17.36%	1.244%
96	24.118	2012	2015	2020	rVB2	142630	267032	36.33%	2.603%
97	24.255	2025	2027	2028	rBV	28063	43737	5.95%	0.426%
98	24.415	2039	2041	2045	rVB	123917	196232	26.69%	1.913%
99	25.969	2175	2177	2182	rVB2	43287	107217	14.59%	1.045%
100	26.724	2239	2243	2244	rBV3	17031	48086	6.54%	0.469%

Sum of corrected areas: 10258935

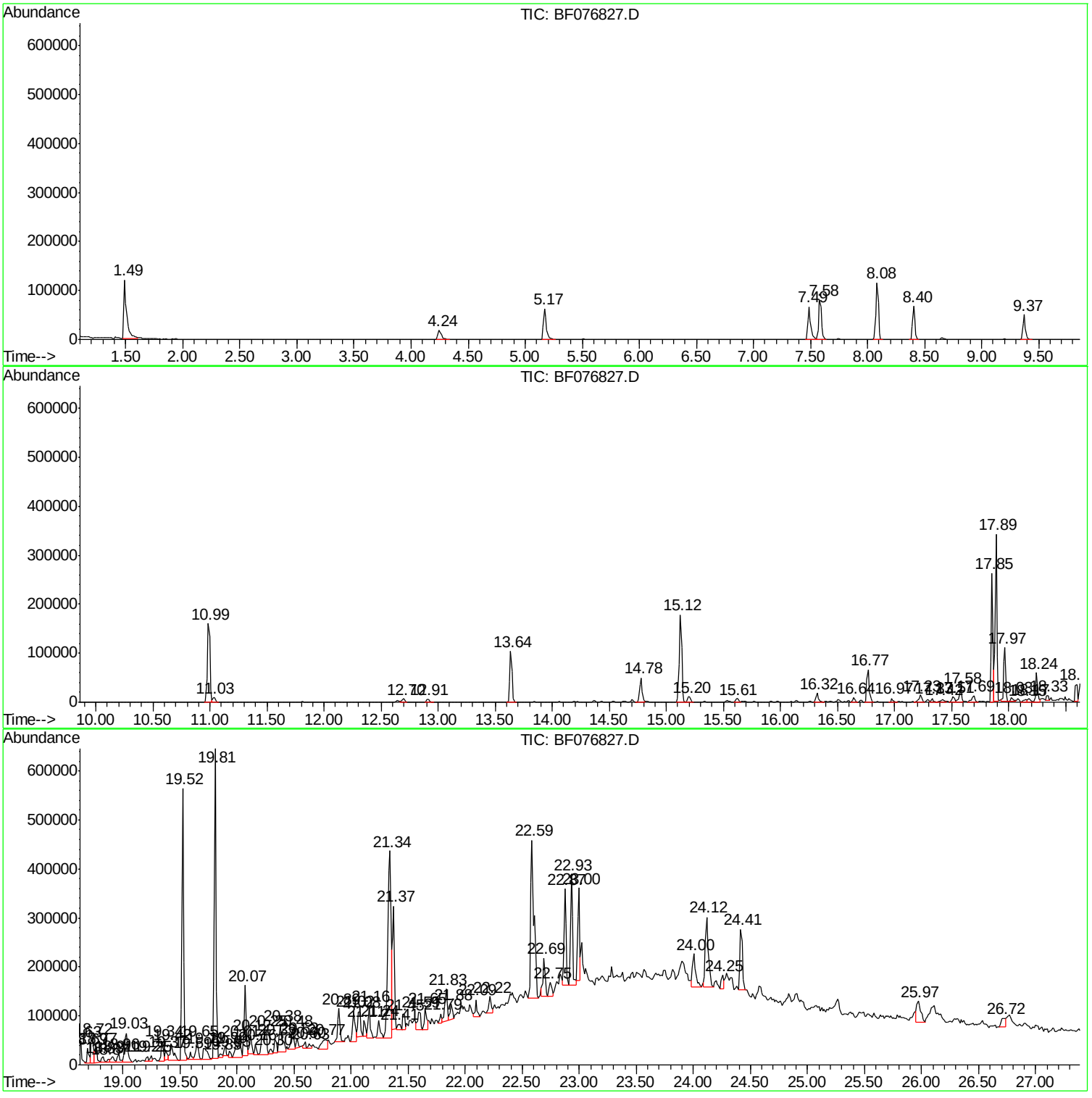
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

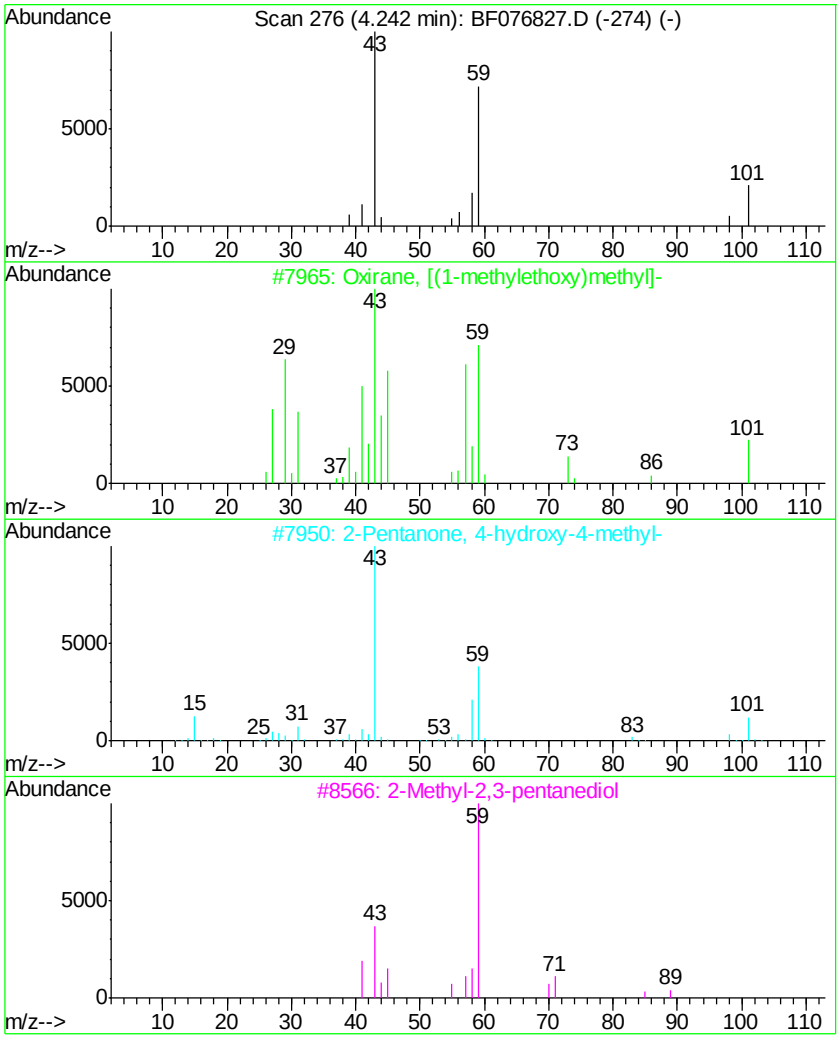
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

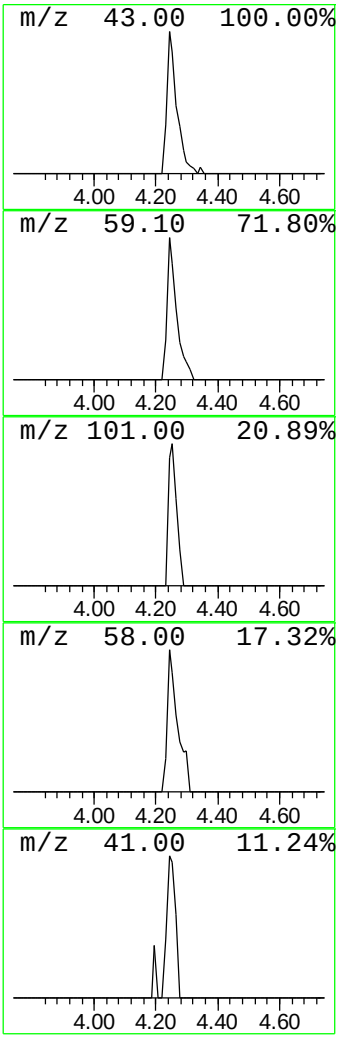
****

Peak Number 2 Oxirane, [(1-methylethoxy)m... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	4.57 ng	40437	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(1-methylethoxy)methyl]-	116	C6H12O2	004016-14-2	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
3	2-Methyl-2,3-pentanediol	118	C6H14O2	007795-80-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	7
5	Guanidine	59	CH5N3	000113-00-8	5





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

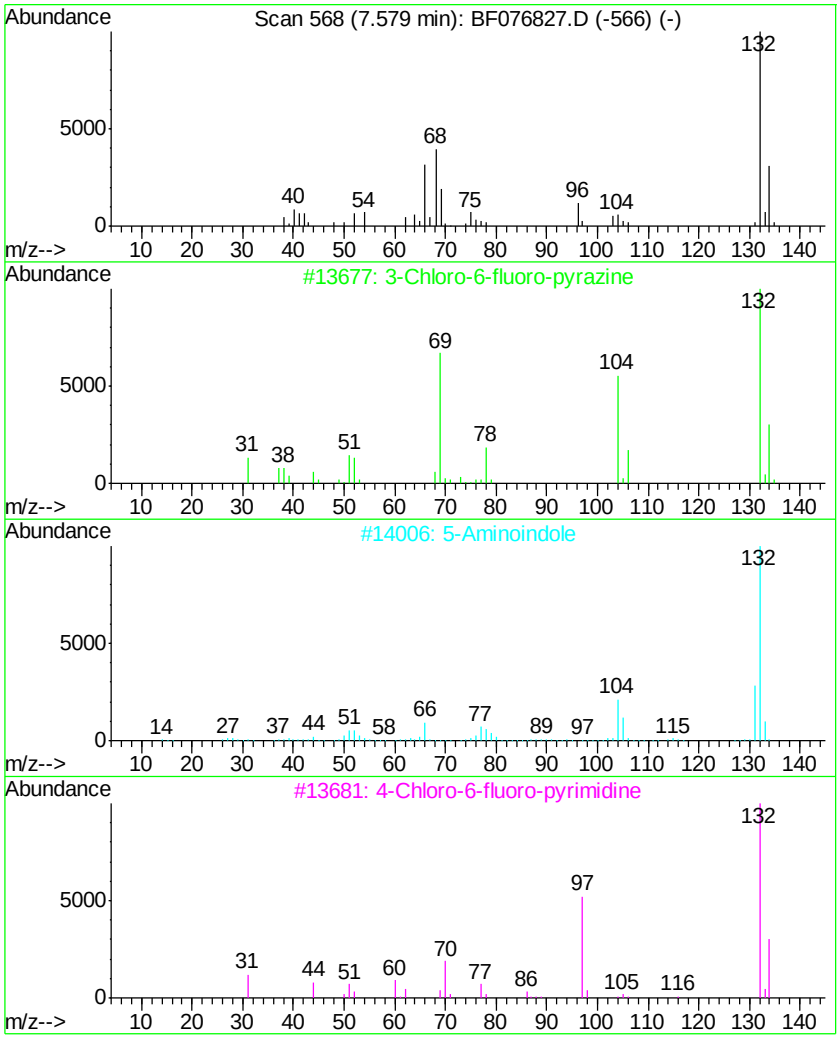
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

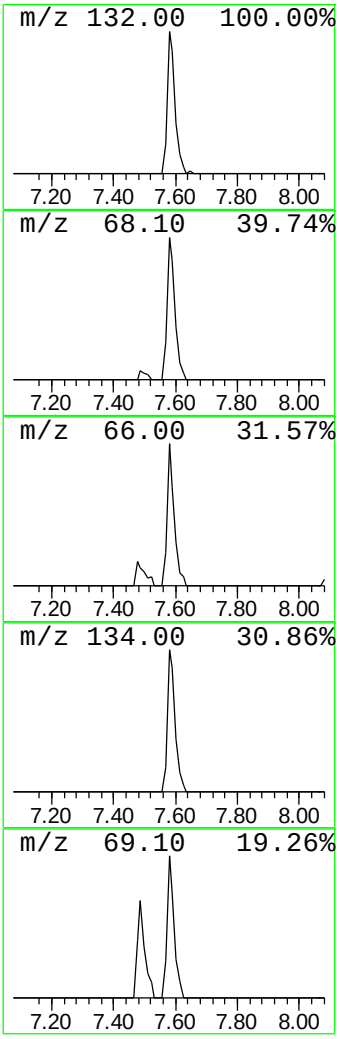
****

Peak Number 3 unknown7.58 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	15.72 ng	139094	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	27
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

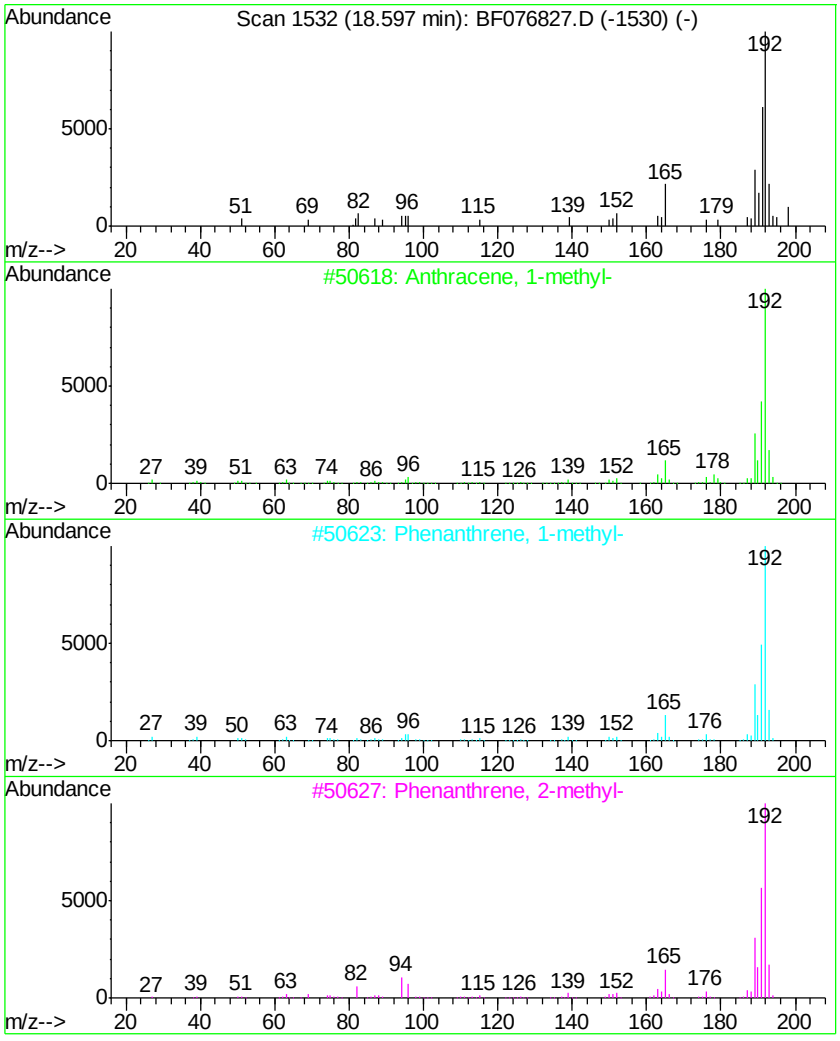
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

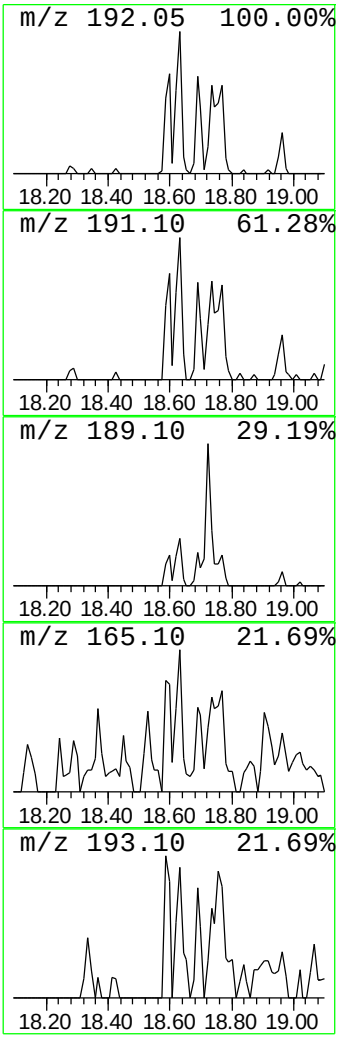
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	3.45 ng	48423	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

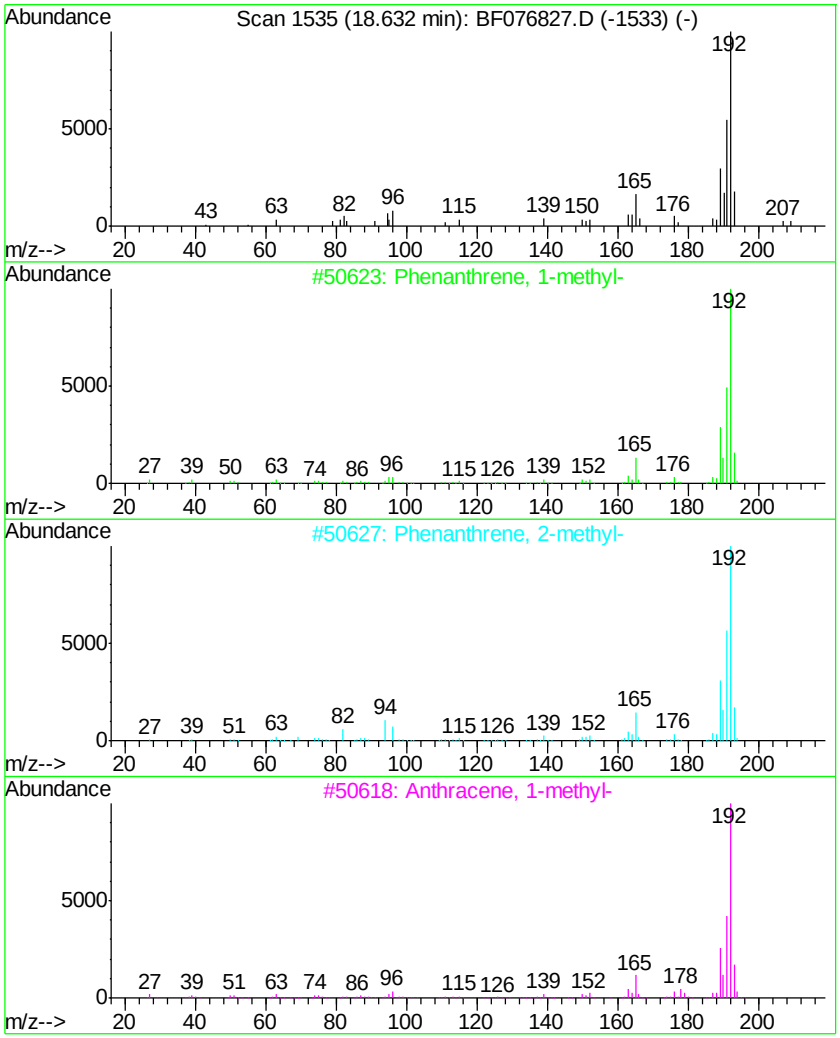
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

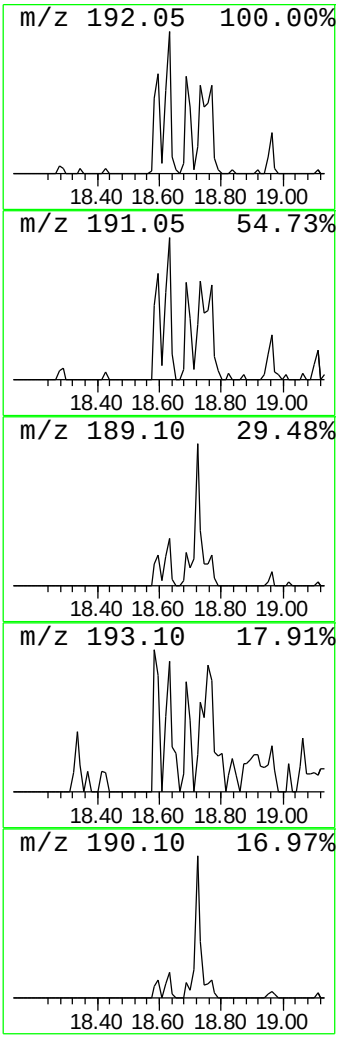
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.12 ng	57836	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

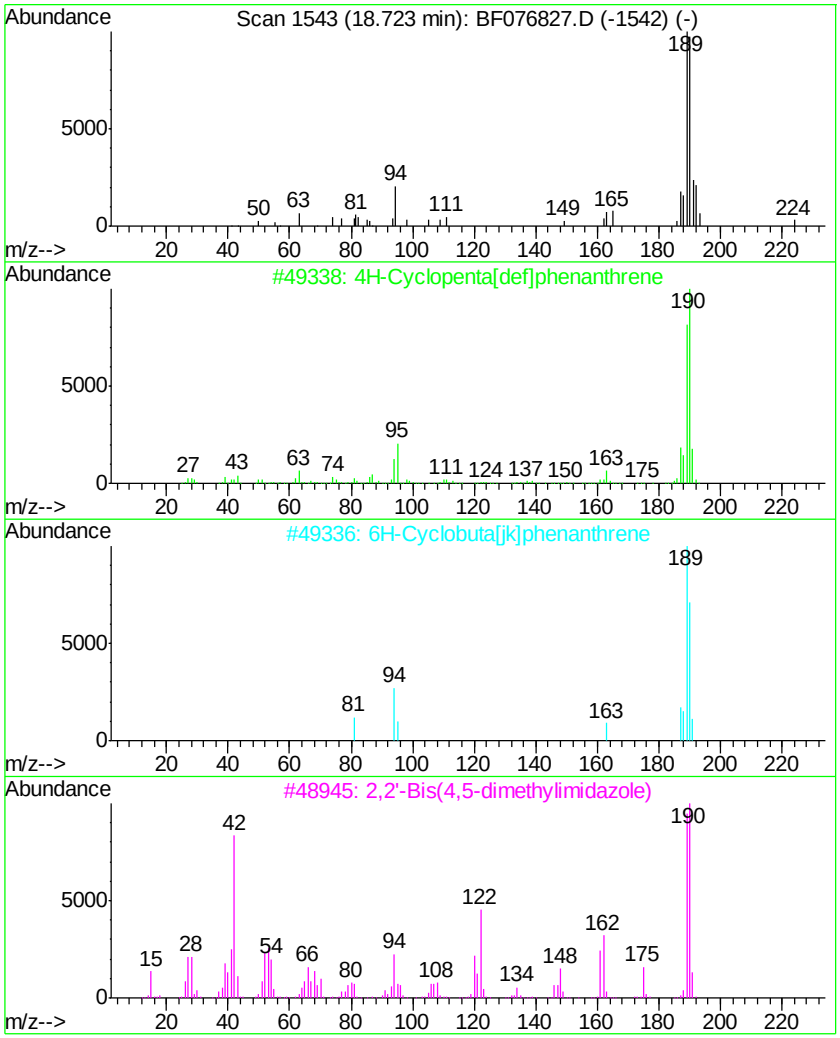
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

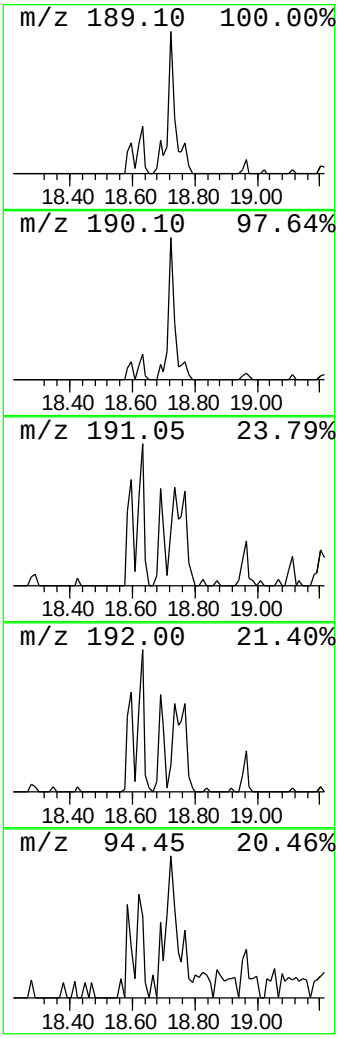
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.45 ng	76492	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

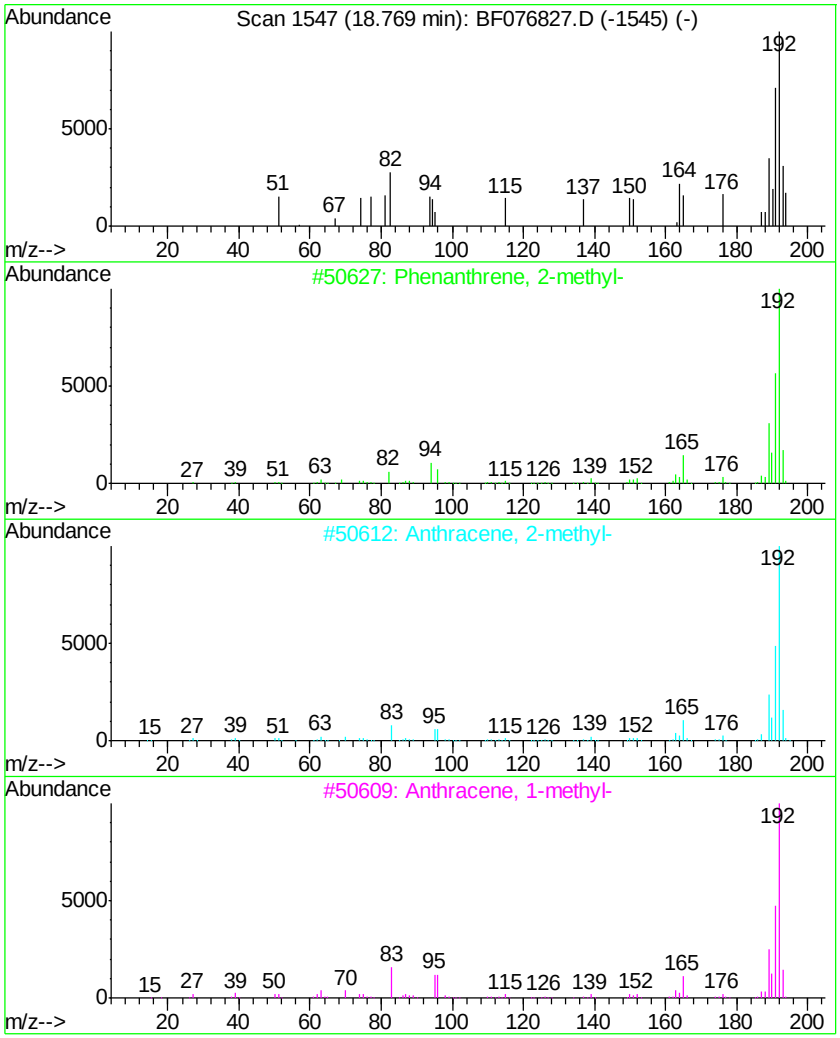
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

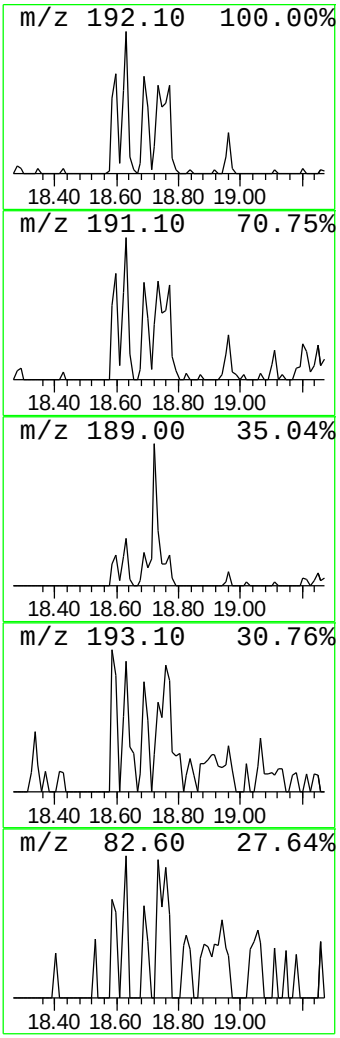
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	3.16 ng	44270	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50





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Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

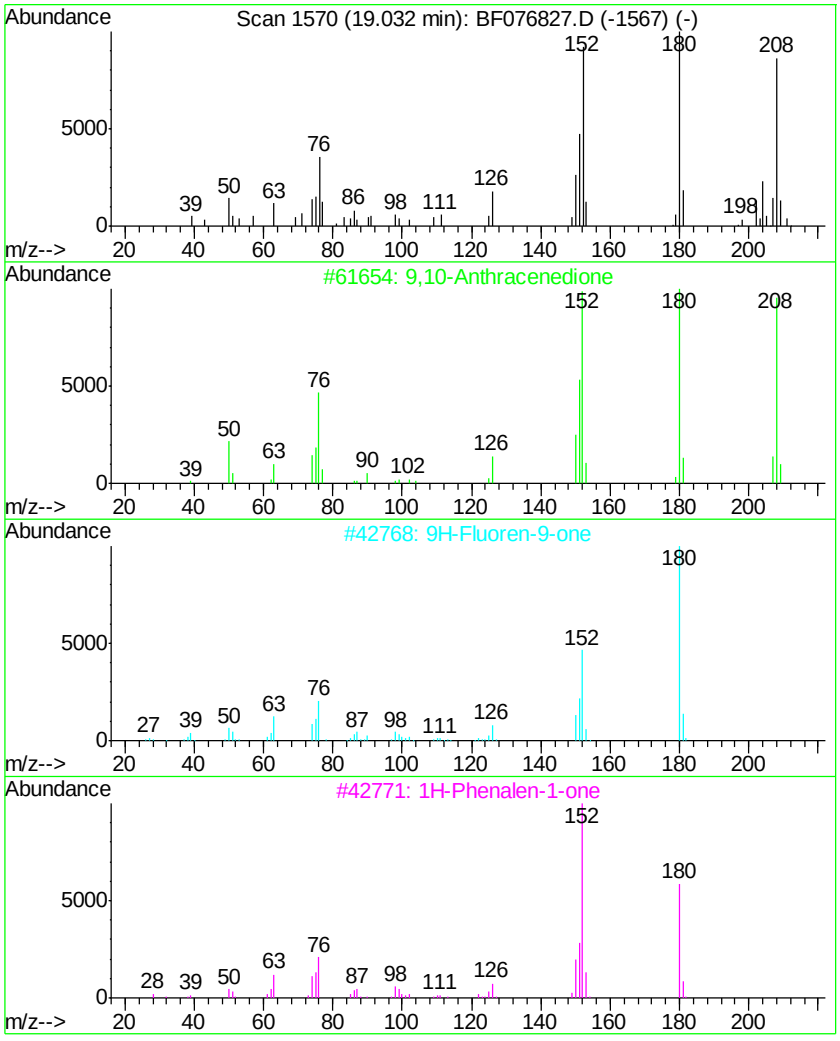
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

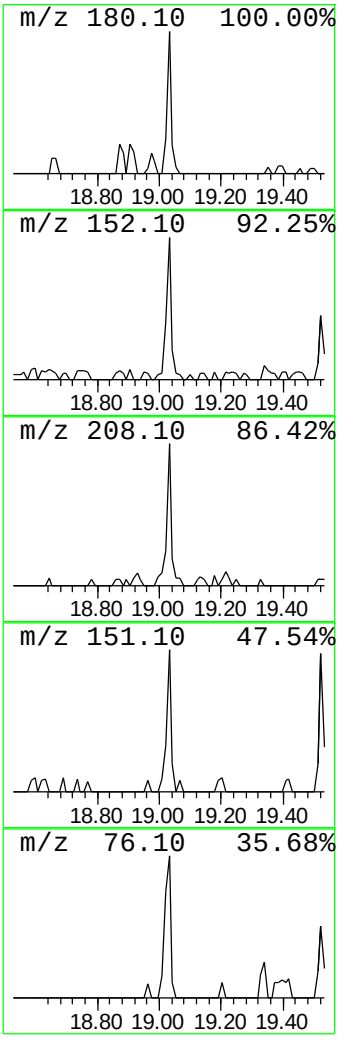
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	7.73 ng	108376	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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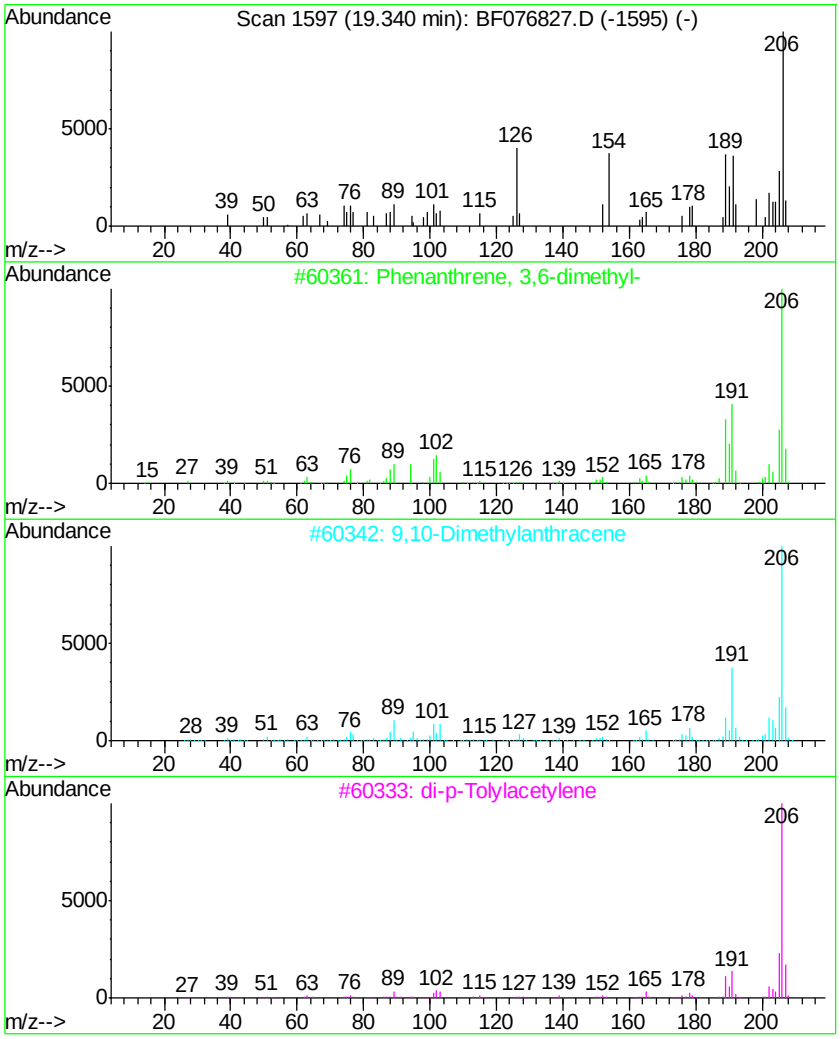
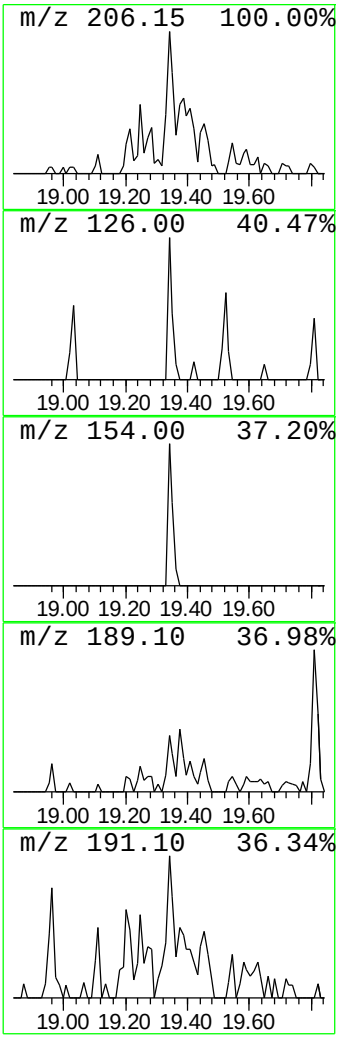
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	3.93 ng	55095	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	60





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Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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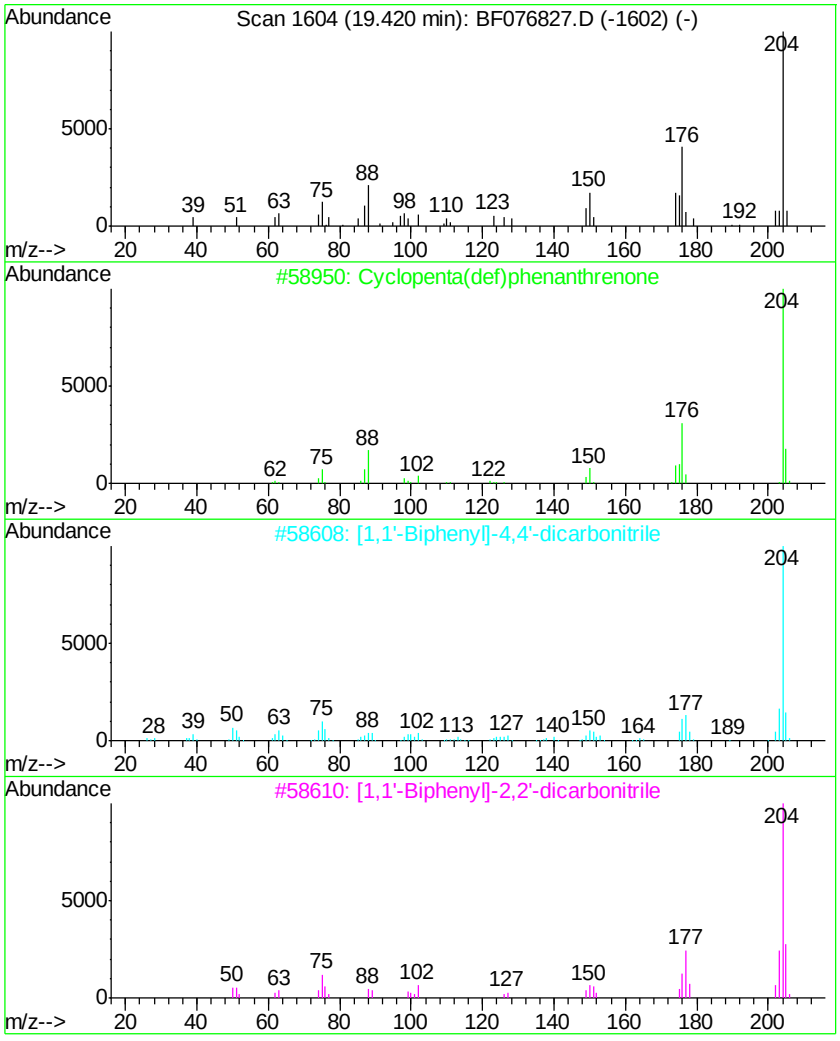
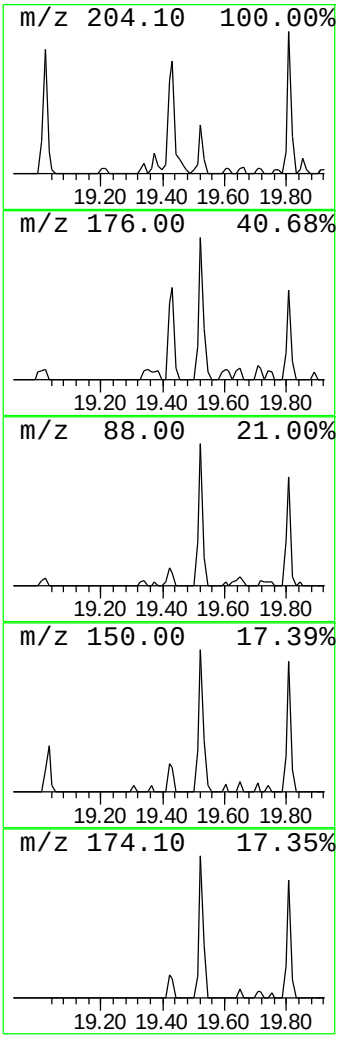
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	4.90 ng	68719	Phenanthrene-d10	17.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	38
5	4-Methoxy-2-(4-fluorophenyl)pyri...	204	C11H9FN2O	076128-75-1	37





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Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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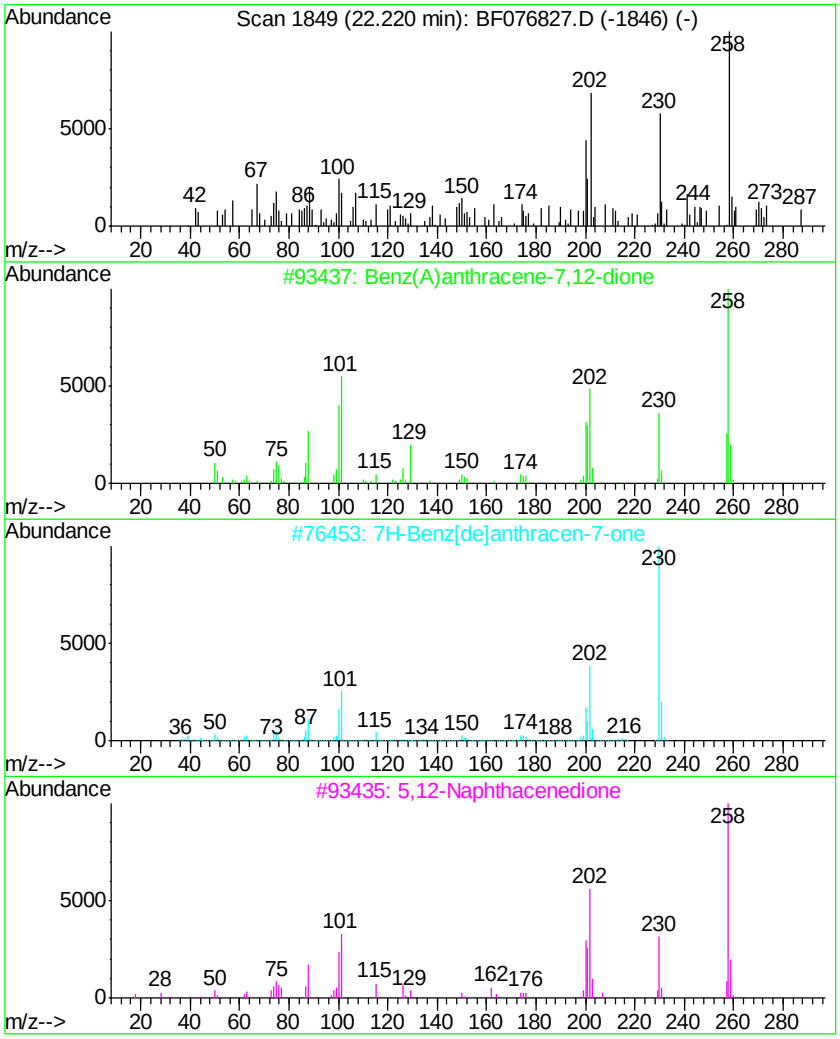
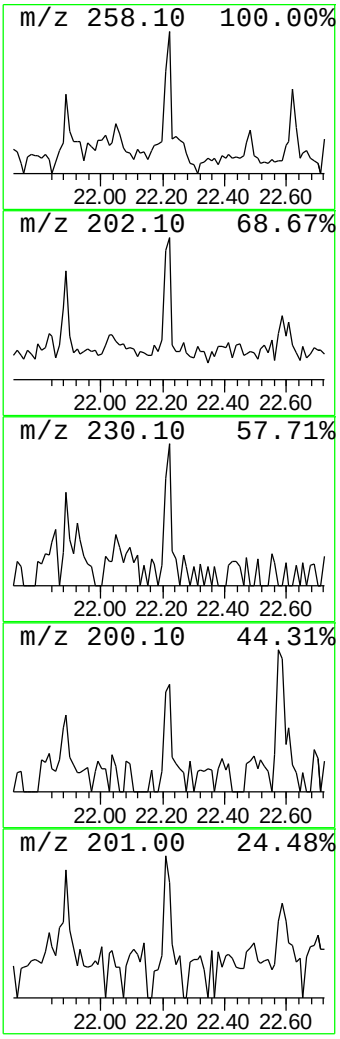
Peak Number 13 Benz(A)anthracene-7,12-dione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.22	4.43 ng	55131	Perylene-d12	23.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	59
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	53
4	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	50
5	4,8,9-Trihydroxy-6-methyl-3,4-di...	258	C15H14O4	1000210-20-3	38





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Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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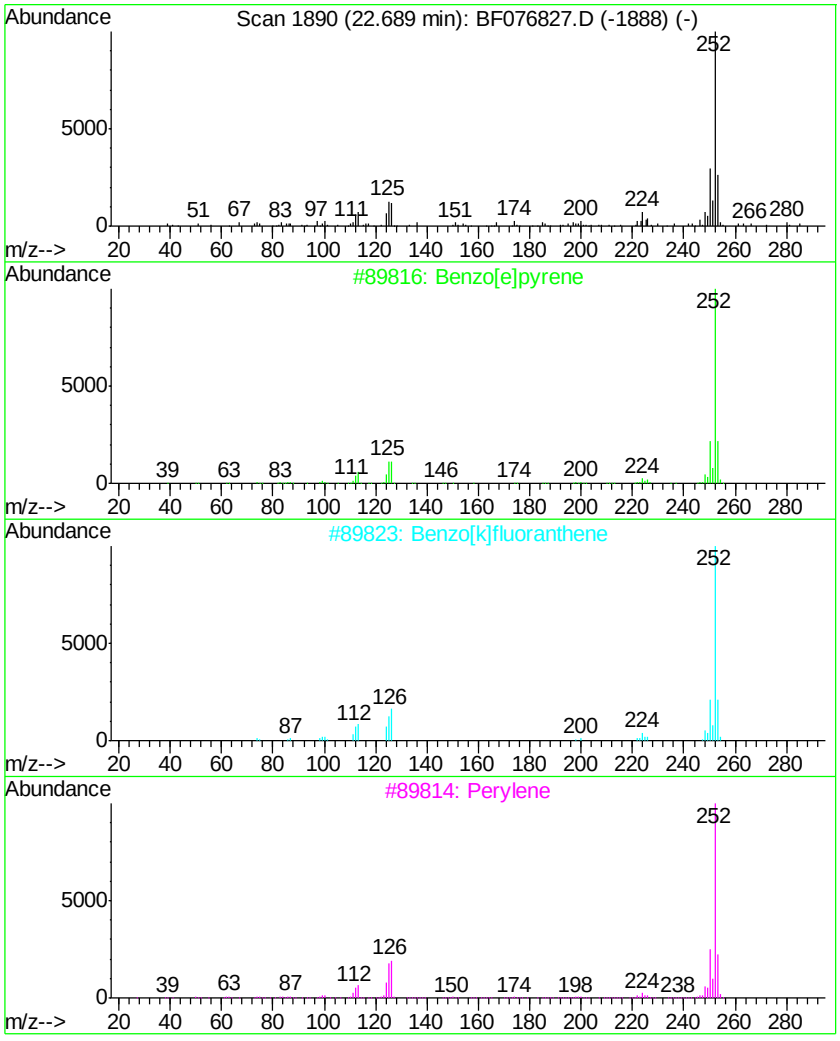
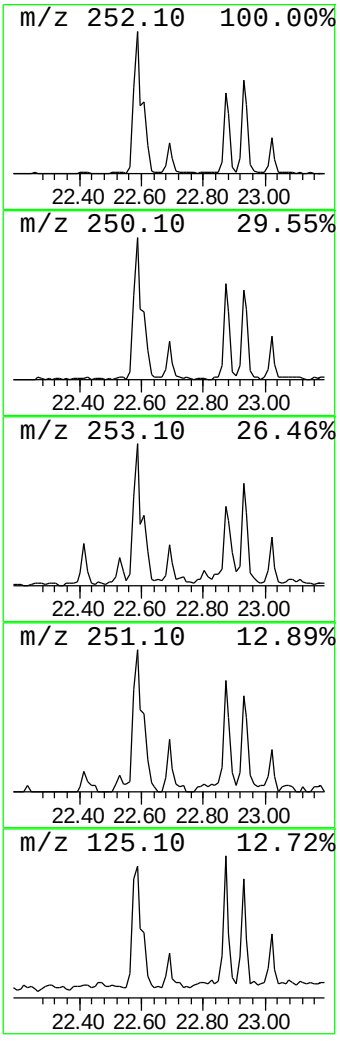
Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	7.77 ng	96719	Perylene-d12	23.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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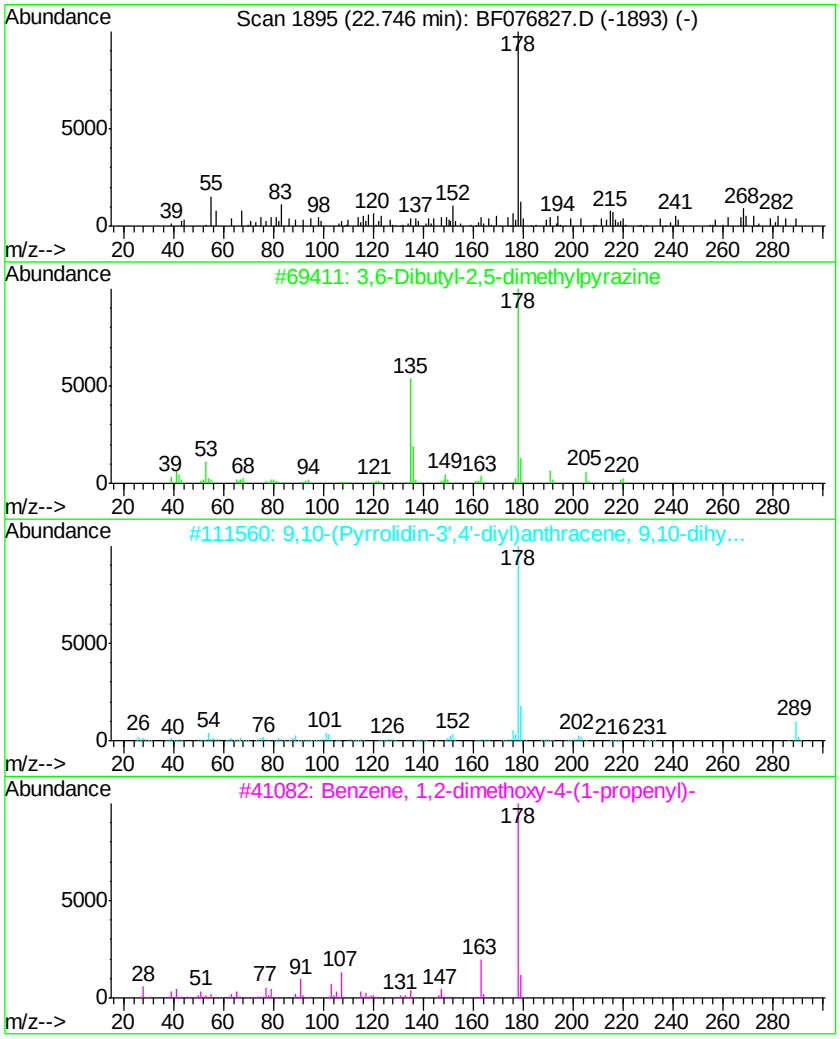
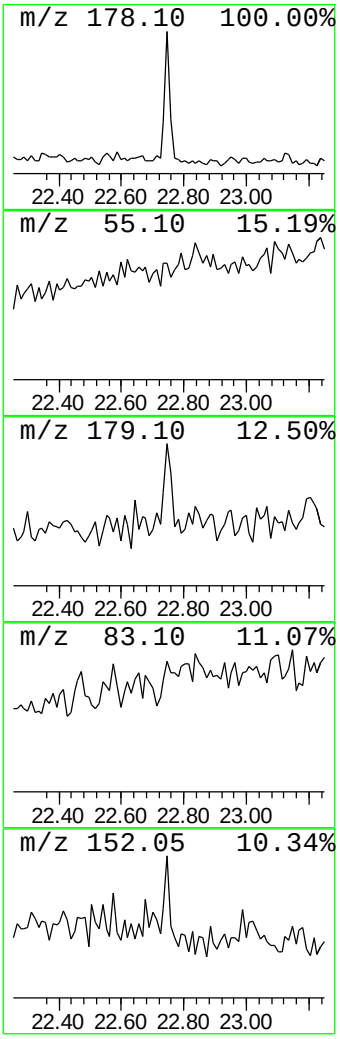
Peak Number 15 3,6-Dibutyl-2,5-dimethylpyr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	3.67 ng	45714	Perylene-d12	23.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dibutyl-2,5-dimethylpyrazine	220	C14H24N2	010132-39-5	52
2	9,10-(Pyrrolidin-3',4'-diyl)anth...	289	C19H15NO2	1000194-48-8	50
3	Benzene, 1,2-dimethoxy-4-(1-prop...	178	C11H14O2	000093-16-3	47
4	1,2,3,4-Tetrahydroisoquinolin-6-...	269	C17H19NO2	033770-34-2	47
5	Benzenemethanol, 4-hydroxy-.alph...	301	C18H23NO3	000395-28-8	47





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Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

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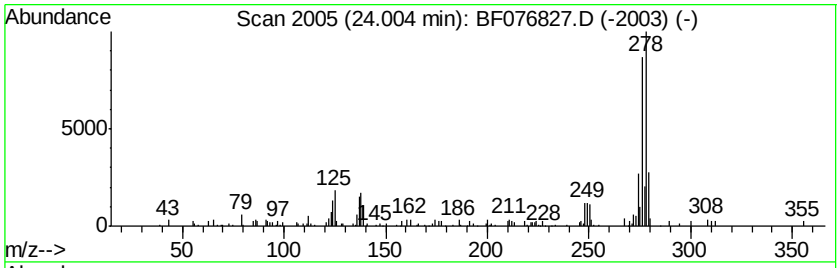
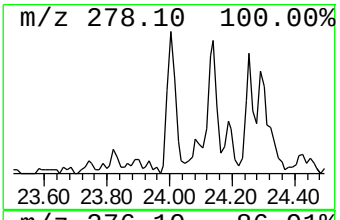
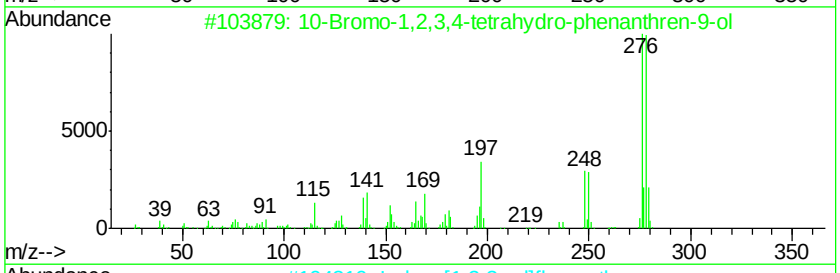
Peak Number 17 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 5

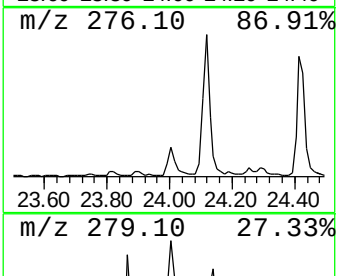
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.00	10.25 ng	127626	Perylene-d12	23.00

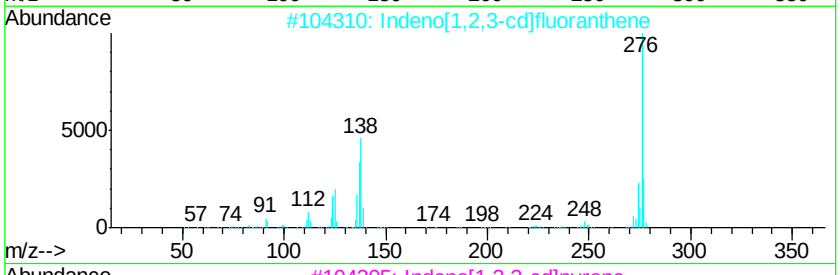
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	83
2	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	46
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	42
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	42
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	41

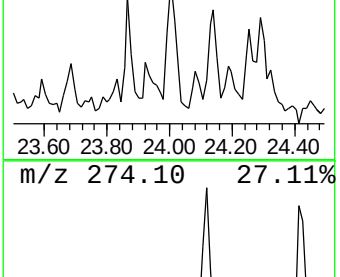


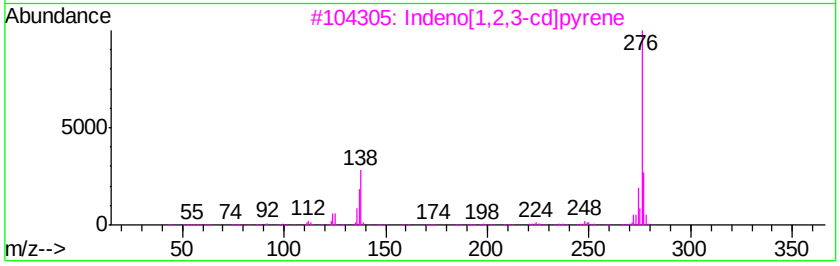












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076827.D
Acq On : 13 Jan 2015 3:35
Operator : IZ / TP
Sample : G1049-01 5X
Misc : S
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WASTE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Oxirane, [(1-meth...	4.24	4.6	ng	40437	1	8.08	176950	20.0
unknown7.58	7.58	15.7	ng	139094	1	8.08	176950	20.0
Anthracene, 1-met...	18.60	3.5	ng	48423	4	17.85	280466	20.0
Phenanthrene, 1-m...	18.63	4.1	ng	57836	4	17.85	280466	20.0
4H-Cyclopenta[def...	18.72	5.5	ng	76492	4	17.85	280466	20.0
Phenanthrene, 2-m...	18.77	3.2	ng	44270	4	17.85	280466	20.0
9,10-Anthracenedione	19.03	7.7	ng	108376	4	17.85	280466	20.0
Phenanthrene, 3,6...	19.34	3.9	ng	55095	4	17.85	280466	20.0
Cyclopenta(def)ph...	19.42	4.9	ng	68719	4	17.85	280466	20.0
Benz(A)anthracene...	22.22	4.4	ng	55131	6	23.00	248986	20.0
Benzo[e]pyrene	22.69	7.8	ng	96719	6	23.00	248986	20.0
3,6-Dibutyl-2,5-d...	22.75	3.7	ng	45714	6	23.00	248986	20.0
10-Bromo-1,2,3,4-...	24.00	10.3	ng	127626	6	23.00	248986	20.0