LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

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-BF011415.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	1.287	34	35	40	rBV	15547	37261	1.64%	0.125%
2	1.355	40	41	54	rVB	102898	222793	9.78%	0.745%
3	3.618	236	239	249	rBV	49784	136348	5.99%	0.456%
4	4.613	323	326	339	rBV	217649	527720	23.17%	1.765%
5	7.024	535	537	541	rBV	235941	477187	20.95%	1.596%
6	7.093	541	543	553	rVB	350243	678068	29.77%	2.268%
7	7.596	584	587	594	rBB	153478	250074	10.98%	0.837%
8	7.916	611	615	619	rBV	274130	452899	19.89%	1.515%
9	8.899	699	701	713	rBV	177418	326494	14.34%	1.092%
10	10.511	838	842	844	rBV	235876	372243	16.35%	1.245%
11	10.556	844	846	852	rVB	78580	124119	5.45%	0.415%
12	12.214	988	991	996	rVB	51669	88419	3.88%	0.296%
13	12.419	1007	1009	1014	rVB	34989	60263	2.65%	0.202%
14	13.162	1070	1074	1077	rBV	466811	730062	32.06%	2.442%
15	13.734	1119	1124	1128	rVB3	15249	40006	1.76%	0.134%
16	13.882	1134	1137	1140	rBV	33945	55817	2.45%	0.187%
17	13.939	1140	1142	1146	rVB	20347	35144	1.54%	0.118%
18	14.145	1156	1160	1165	rBV3	11931	34748	1.53%	0.116%
19	14.237	1165	1168	1170	rBV	24164	33940	1.49%	0.114%
20	14.625	1198	1202	1205	rBV	261053	407519	17.89%	1.363%
21	14.694	1205	1208	1214	rVV	173234	300311	13.19%	1.005%
22	14.854	1218	1222	1227	rVB2	13157	33180	1.46%	0.111%
23	15.128	1242	1246	1249	rBV	111559	182594	8.02%	0.611%
24	15.528	1278	1281	1285	rVB	13722	23762	1.04%	0.079%
25	15.688	1285	1295	1299	rBV6	9345	45719	2.01%	0.153%
26	15.894	1310	1313	1317	rBV	184496	308436	13.54%	1.032%
27	16.020	1320	1324	1327	rBV2	35539	99344	4.36%	0.332%
28	16.065	1327	1328	1331	rVV	38204	48065	2.11%	0.161%
29	16.157	1335	1336	1339	rVB2	22684	31446	1.38%	0.105%
30	16.248	1339	1344	1348	rBV	62416	97229	4.27%	0.325%
31	16.328	1348	1351	1353	rVB2	19485	26785	1.18%	0.090%
32	16.385	1353	1356	1360	rBV2	291730	543591	23.87%	1.818%
33	16.465	1360	1363	1367	rVB3	20833	41148	1.81%	0.138%
34	16.614	1374	1376	1380	rBV2	14538	32757	1.44%	0.110%

LSC Area Percent Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

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-BF011415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.877	1396	1399	1401	rBV3	23007	47894	2.10%	0.160%
36	16.934	1401	1404	1406	rVV2	55254	108690	4.77%	0.364%
37	16.968	1406	1407	1410	rVV2	38893	54911	2.41%	0.184%
38	17.048	1412	1414	1418	rVB	31919	48191	2.12%	0.161%
39	17.174	1422	1425	1426	rBV2	50778	84301	3.70%	0.282%
40	17.231	1426	1430	1433	rVV2	137269	206073	9.05%	0.689%
41	17.311	1435	1437	1438	rVV	85852	101711	4.47%	0.340%
42	17.346	1438	1440	1444	rVB	138098	193468	8.50%	0.647%
43	17.517	1452	1455	1456	rBV	261429	476551	20.93%	1.594%
44	17.551	1456	1458	1461	rVV	1916825	2277311	100.00%	7.618%
45	17.620	1461	1464	1467	rVB	417536	605470	26.59%	2.025%
46	17.688	1467	1470	1473	rBV	42675	59538	2.61%	0.199%
47	17.746	1473	1475	1478	rVB3	16628	24362	1.07%	0.081%
48	17.848	1482	1484	1488	rVB	67121	88576	3.89%	0.296%
49	17.917	1488	1490	1493	rBV	260093	346606	15.22%	1.160%
50	17.974	1493	1495	1496	rBV2	18766	34929	1.53%	0.117%
51	18.008	1496	1498	1500	rVB2	54290	57310	2.52%	0.192%
52	18.054	1500	1502	1505	rBV3	24838	47668	2.09%	0.159%
53	18.134	1506	1509	1512	rVB3	56785	103640	4.55%	0.347%
54	18.203	1512	1515	1518	rBV4	35630	75152	3.30%	0.251%
55	18.271	1518	1521	1522	rBV	204254	282016	12.38%	0.943%
56	18.306	1522	1524	1526	rVV	285833	344430	15.12%	1.152%
57	18.363	1528	1529	1530	rVV	110564	141084	6.20%	0.472%
58	18.397	1530	1532	1534	rVV2	236595	381997	16.77%	1.278%
59	18.443	1534	1536	1539	rVB	194295	238048	10.45%	0.796%
60	18.557	1543	1546	1548	rBV3	50652	101266	4.45%	0.339%
61	18.591	1548	1549	1554	rVB3	49576	105303	4.62%	0.352%
62	18.706	1556	1559	1562	rVV2	167374	380050	16.69%	1.271%
63	18.786	1564	1566	1569	rVV3	28228	58026	2.55%	0.194%
64	18.934	1577	1579	1580	rBV	58432	72638	3.19%	0.243%
65	19.026	1585	1587	1589	rBV	105034	180158	7.91%	0.603%
66	19.060	1589	1590	1592	rVV2	69921	97134	4.27%	0.325%
67	19.117	1593	1595	1600	rVB3	84747	196065	8.61%	0.656%
68	19.209	1600	1603	1606	rBV	1610789	2252520	98.91%	7.535%
69	19.277	1606	1609	1610	rBV2	43267	60012	2.64%	0.201%
70	19.391	1617	1619	1621	rBV3	46222	93617	4.11%	0.313%
71	19.494	1625	1628	1630	rVV	1937831	2174123	95.47%	7.273%

LSC Area Percent Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

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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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.586	1633	1636	1637	rBV	117794	180987	7.95%	0.605%
73	19.677	1641	1644	1645	rBV	134025	180020	7.90%	0.602%
74	19.711	1645	1647	1649	rVB	62899	84759	3.72%	0.284%
75	19.769	1649	1652	1654	rBV	522968	860002	37.76%	2.877%
76	19.803	1654	1655	1658	rVB	130801	161531	7.09%	0.540%
77	19.849	1658	1659	1661	rBV2	79242	103186	4.53%	0.345%
78	19.940	1665	1667	1669	rVV	230114	298515	13.11%	0.999%
79	20.032	1673	1675	1676	rVV	103574	156737	6.88%	0.524%
80	20.066	1676	1678	1683	rVV3	112984	325929	14.31%	1.090%
81	20.329	1699	1701	1705	rBV4	81327	238675	10.48%	0.798%
82	20.592	1721	1724	1726	rBV2	166271	264688	11.62%	0.885%
83	20.763	1736	1739	1741	rBV2	131511	235485	10.34%	0.788%
84	20.809	1741	1743	1745	rVV	135092	170015	7.47%	0.569%
85	20.854	1745	1747	1750	rVB	181008	248382	10.91%	0.831%
86	21.026	1758	1762	1764	rBV2	1126027	1997706	87.72%	6.683%
87	21.060	1764	1765	1767	rVV	803299	899818	39.51%	3.010%
88	21.152	1771	1773	1774	rBV	137383	199239	8.75%	0.667%
89	21.529	1804	1806	1807	rBV	169936	234434	10.29%	0.784%
90	22.283	1869	1872	1877	rBV	644847	1550945	68.10%	5.188%
91	22.569	1895	1897	1899	rBV	354291	432957	19.01%	1.448%
92	22.626	1900	1902	1905	rVV	546640	700281	30.75%	2.343%
93	22.683	1905	1907	1912	rVB2	249870	482326	21.18%	1.614%
94	23.792	2002	2004	2009	rVB2	231849	476763	20.94%	1.595%
95	24.066	2025	2028	2030	rVB	176322	302875	13.30%	1.013%

Sum of corrected areas: 29892585

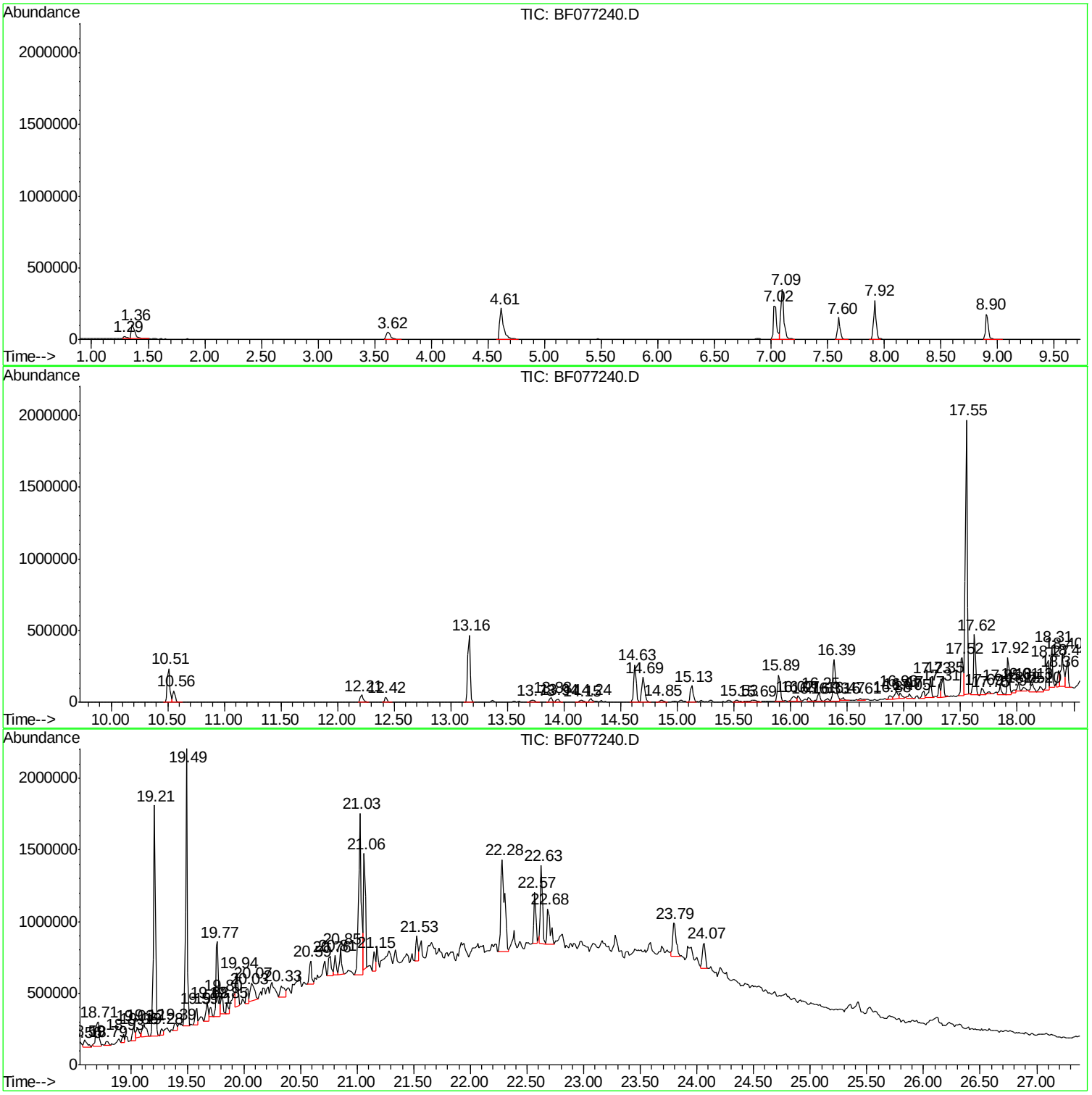
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

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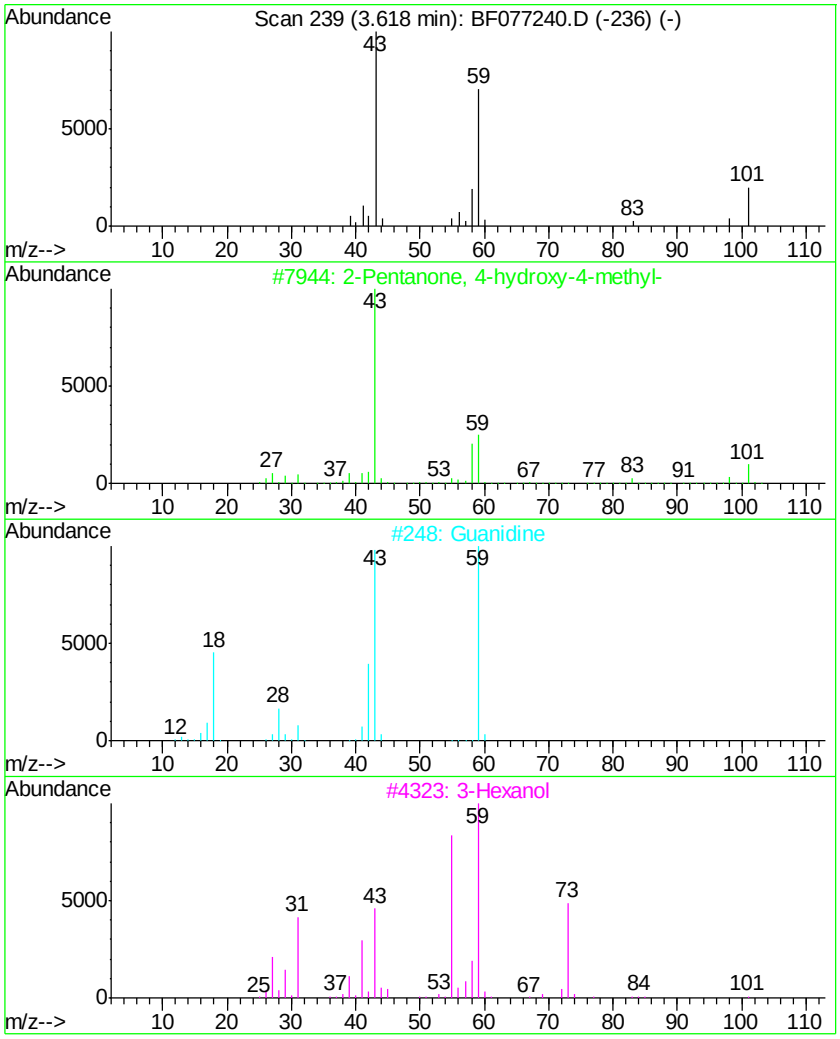
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

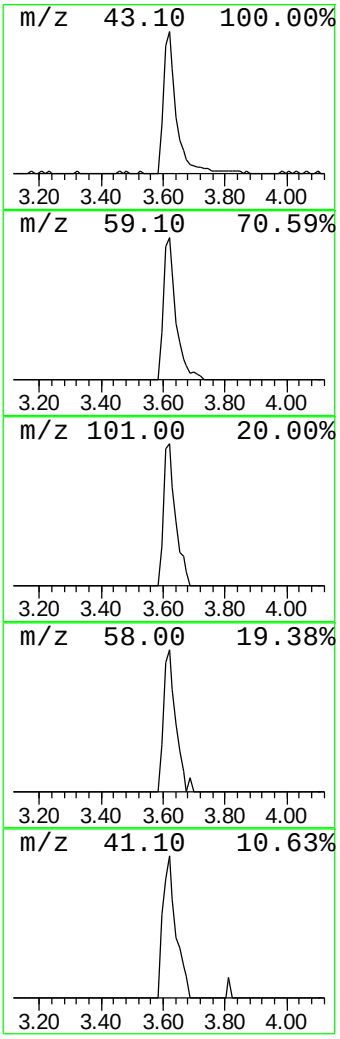
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	10.90 ng	136348	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Guanidine	59	CH5N3	000113-00-8	38
3	3-Hexanol	102	C6H14O	000623-37-0	33
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

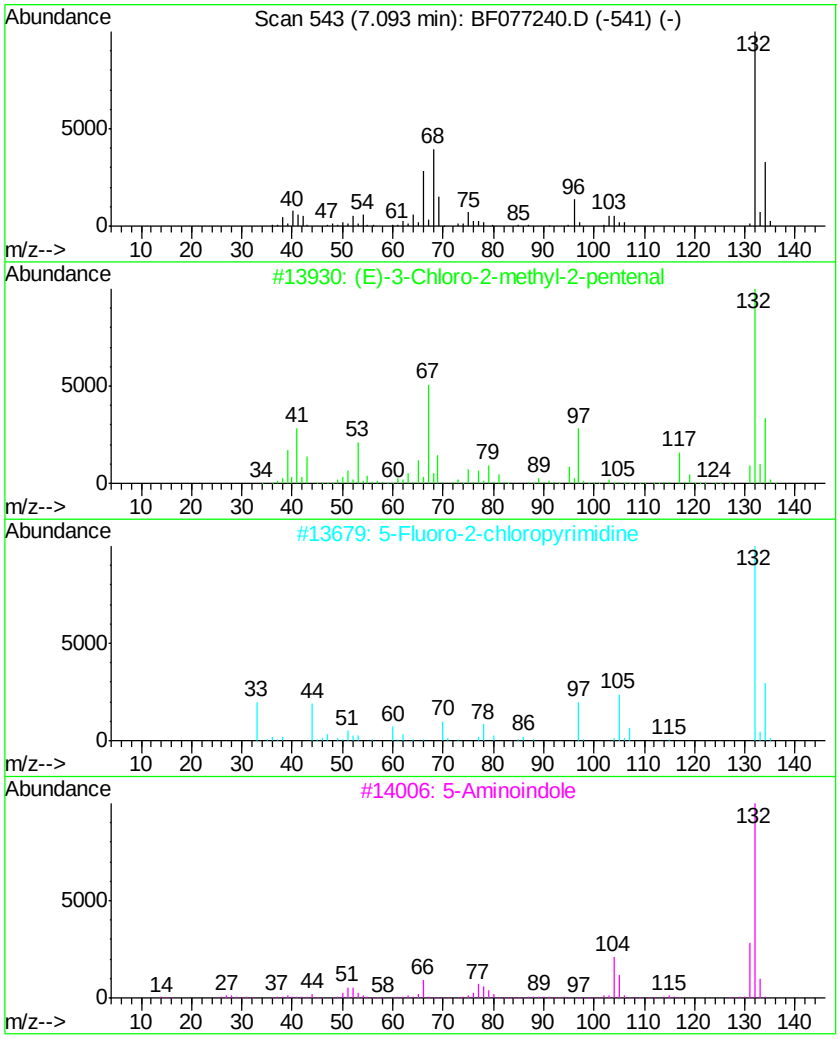
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

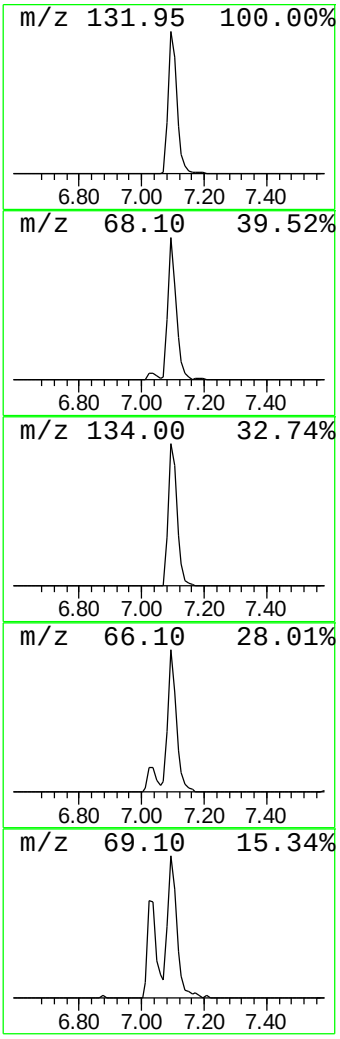
****

Peak Number 3 unknown7.09 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	54.23 ng	678068	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

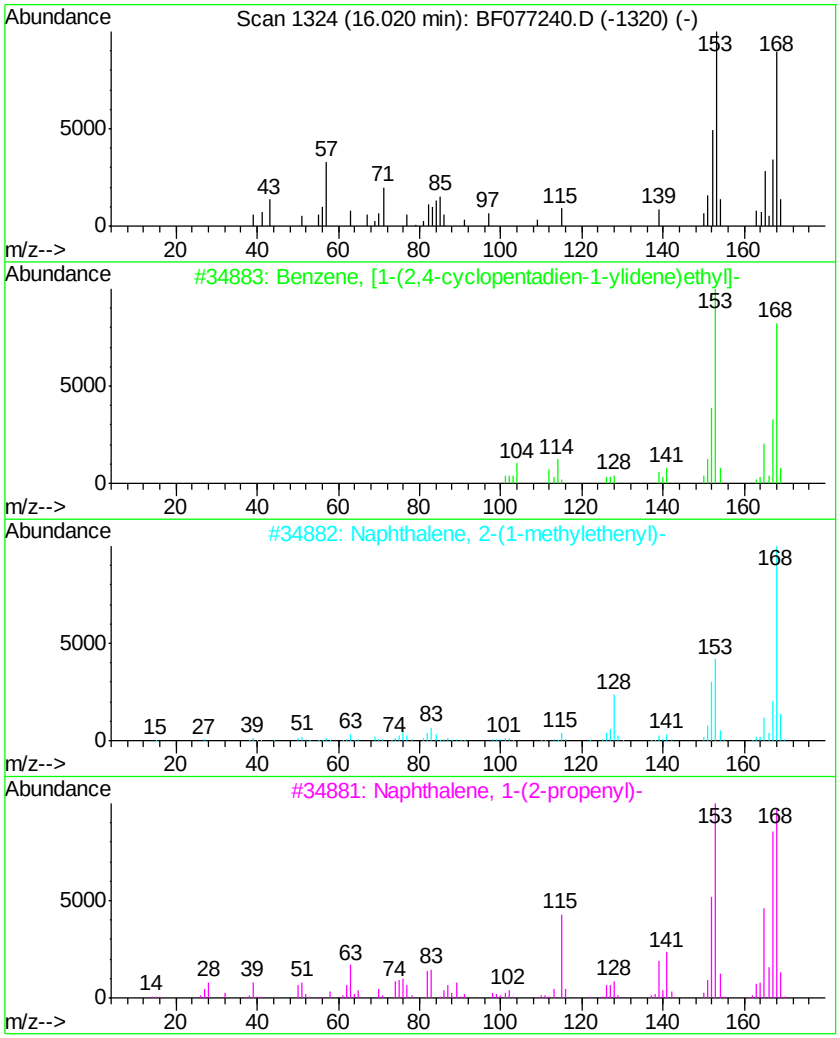
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

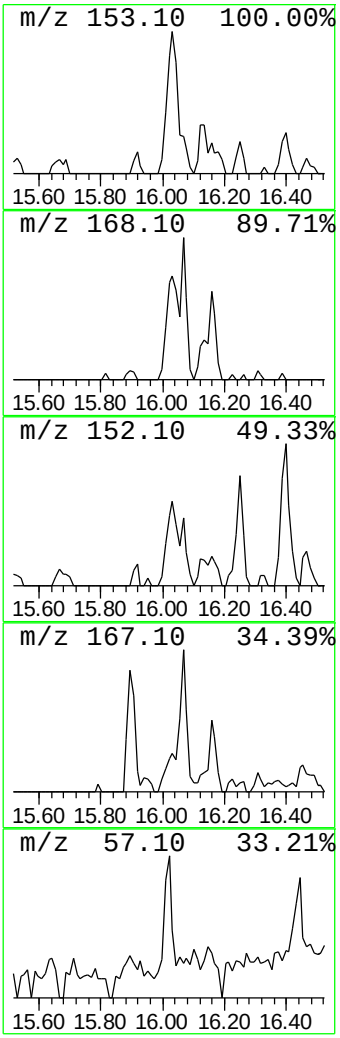
****

Peak Number 5 Benzene, [1-(2,4-cyclopenta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	4.88 ng	99344	Acenaphthene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	58
5	Benzoic acid, 4-hydroxy-3-methoxy-	168	C8H8O4	000121-34-6	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

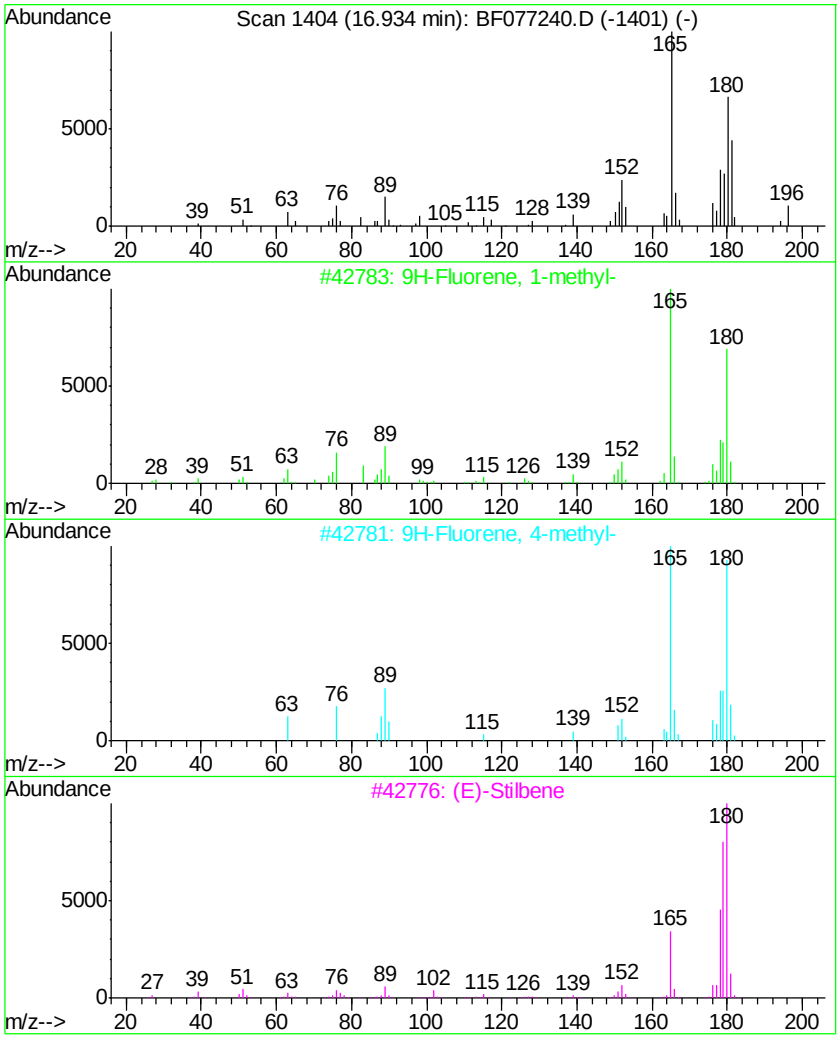
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

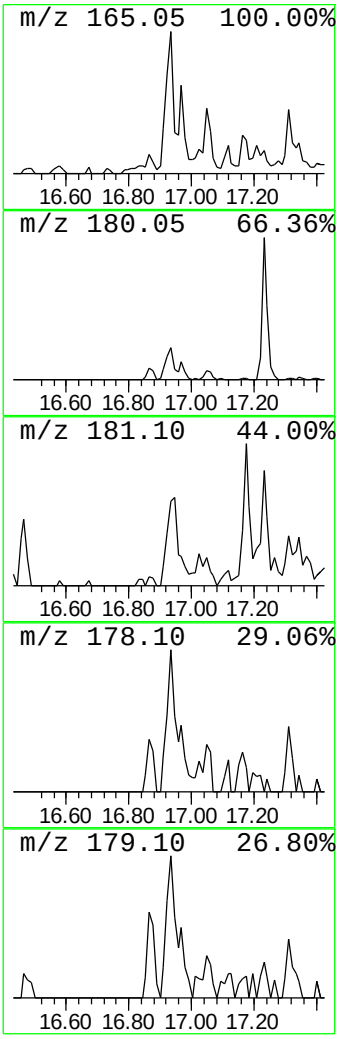
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	4.56 ng	108690	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64
3	(E)-Stilbene	180	C14H12	000103-30-0	64
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

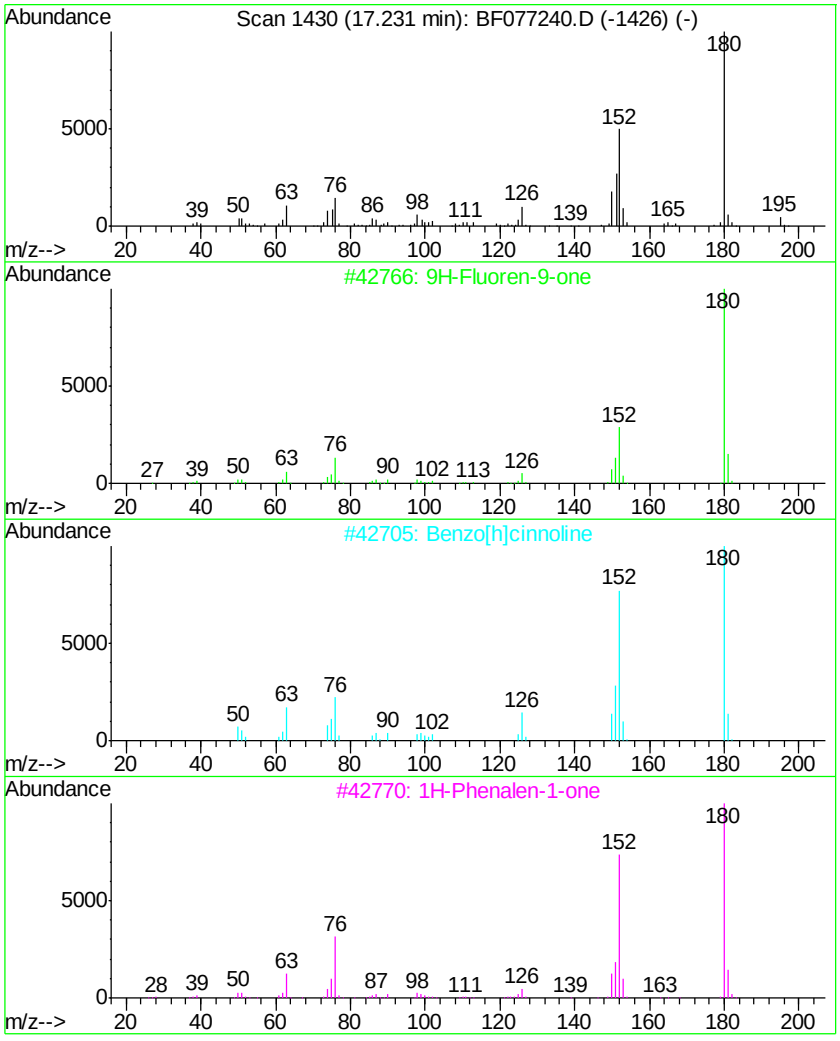
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

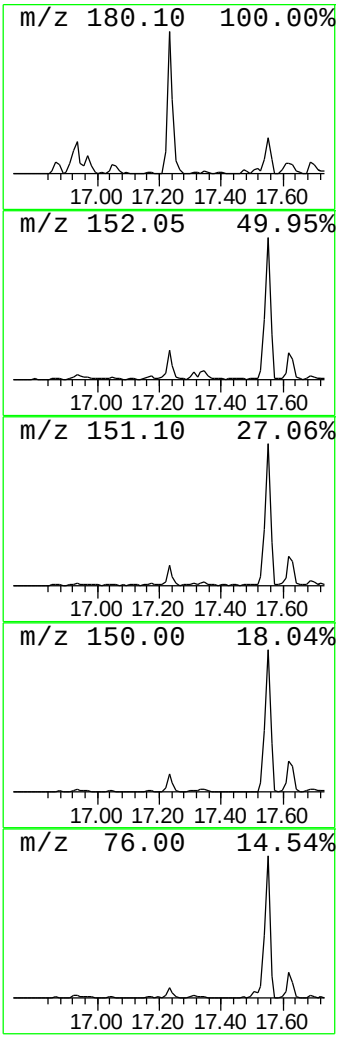
****

Peak Number 7 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	8.65 ng	206073	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	80
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42
5	Benzo(f)quinoxaline	180	C12H8N2	000230-33-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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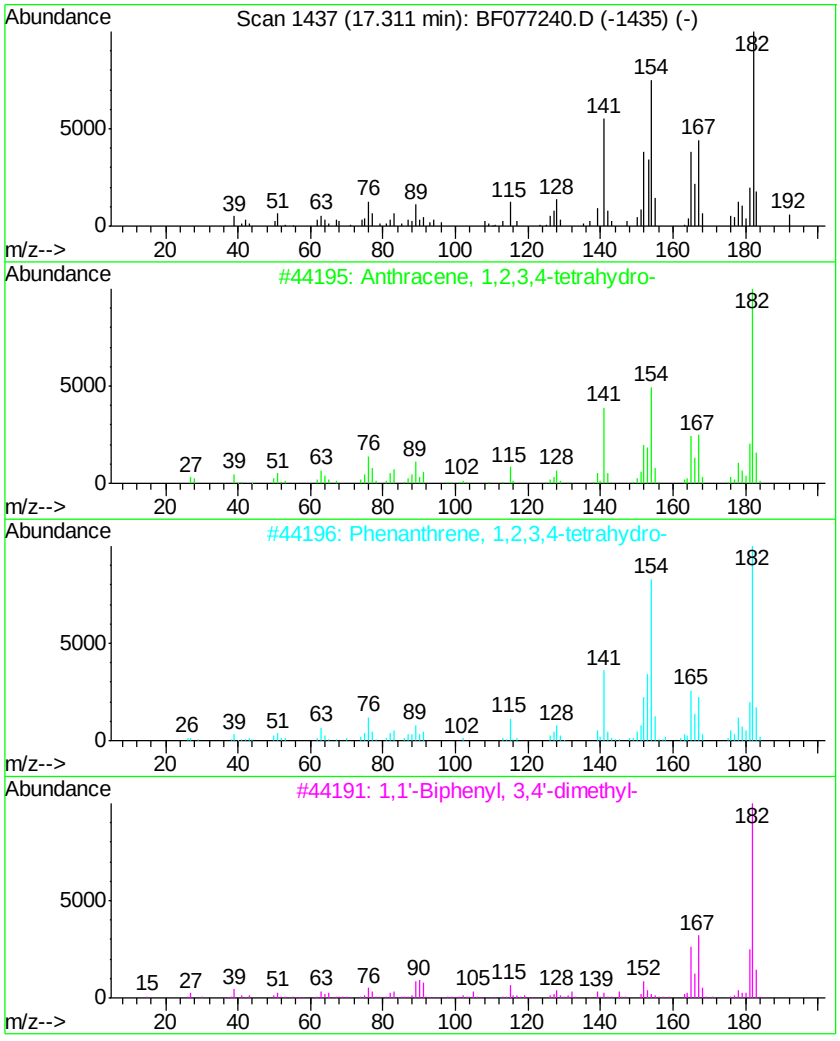
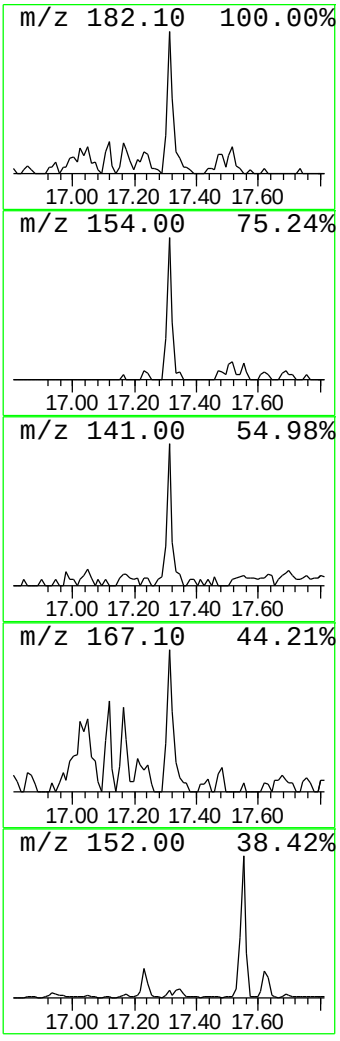
Peak Number 8 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	4.27 ng	101711	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	89
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46





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Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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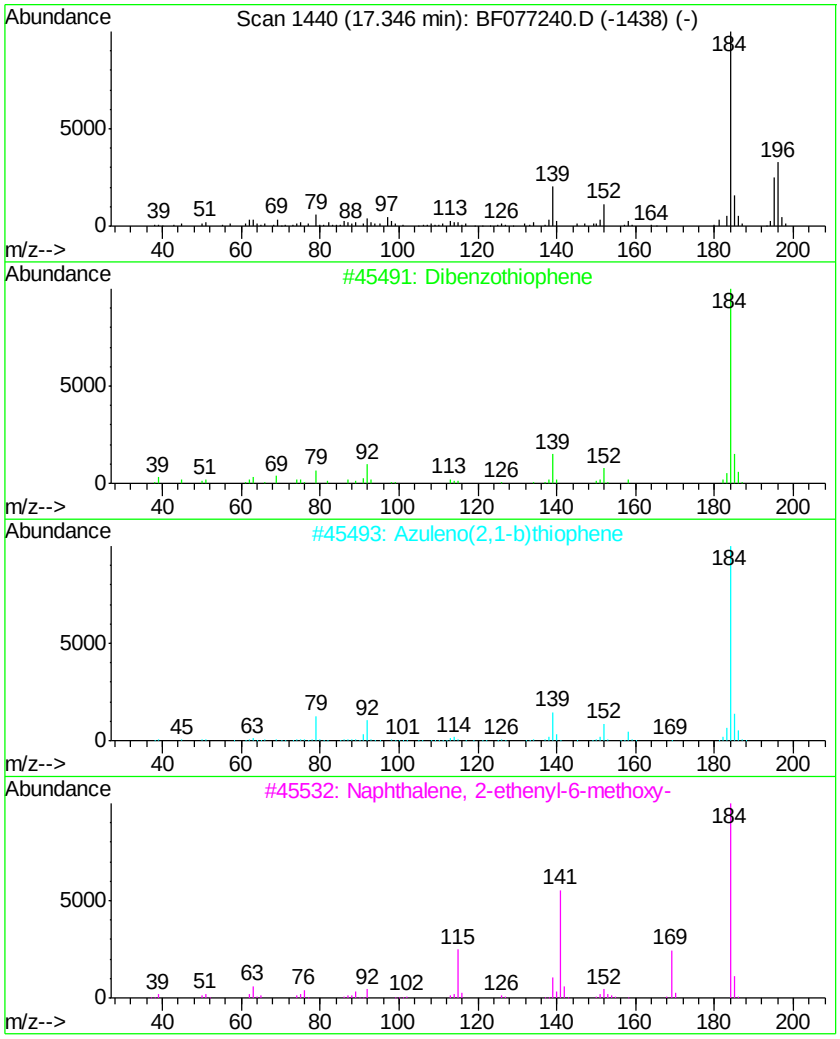
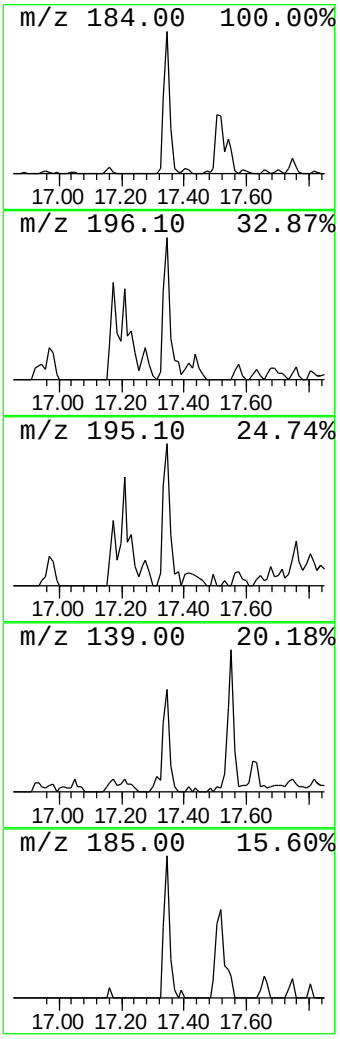
Peak Number 9 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	8.12 ng	193468	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	52
3	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	47
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	43
5	Hydrazine, 1,1-diphenyl-	184	C12H12N2	000530-50-7	43





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Instrument : BNA_F
ClientSampleId : UB10A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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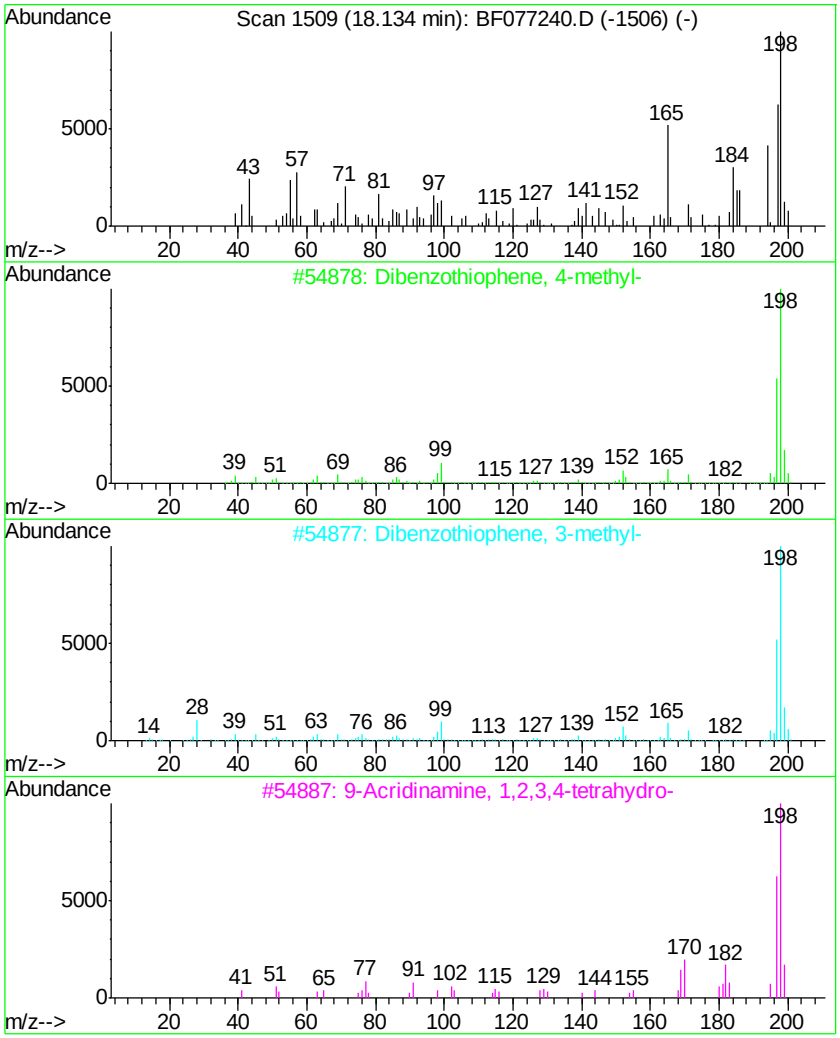
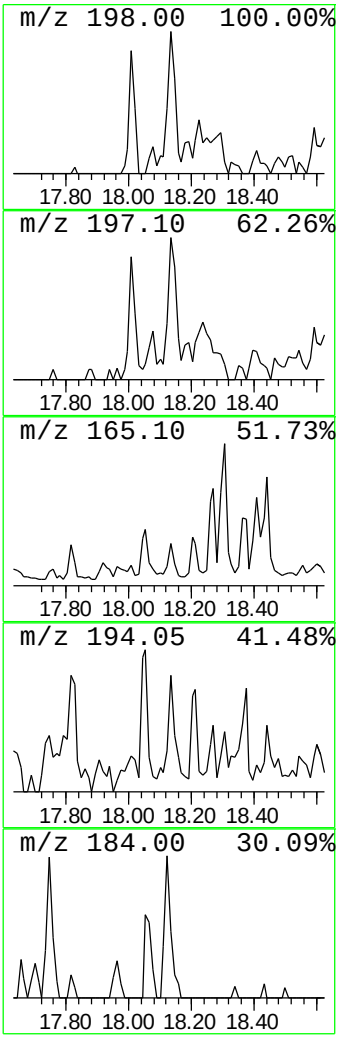
Peak Number 10 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	4.35 ng	103640	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	53
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	45
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	43
4	Indeno[1,2-b]pyridin-5-ol, 7-amino-	198	C12H10N2O	339336-23-1	43
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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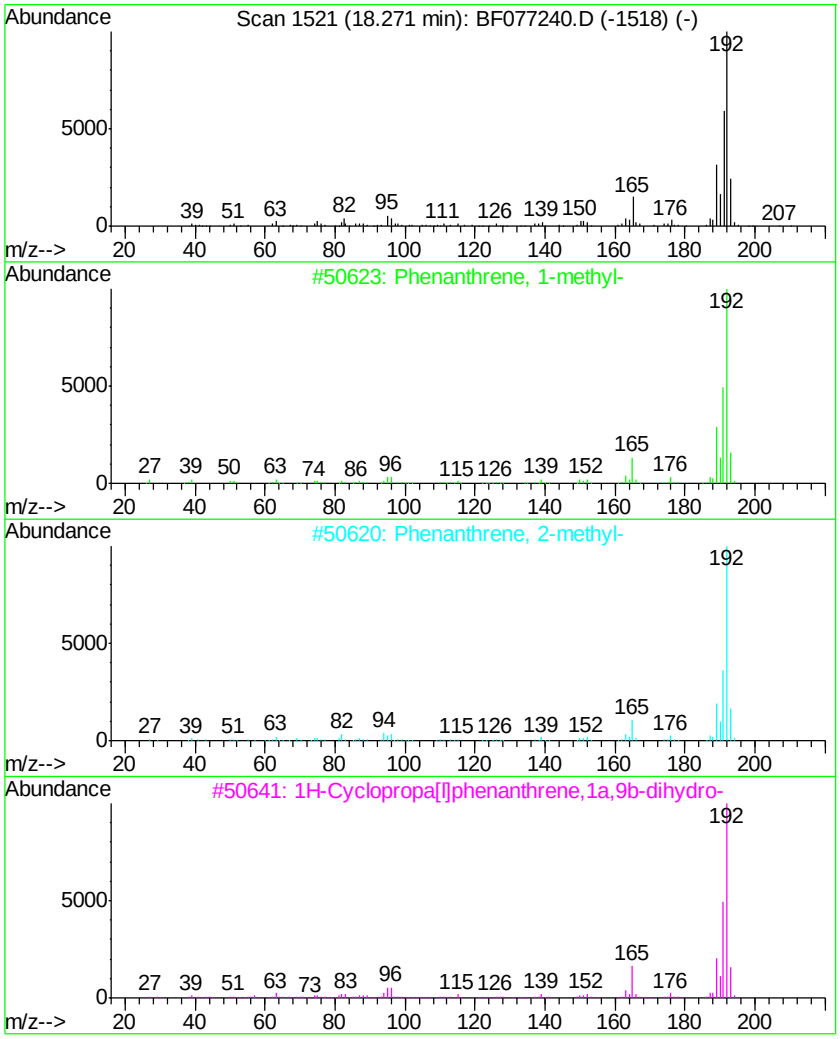
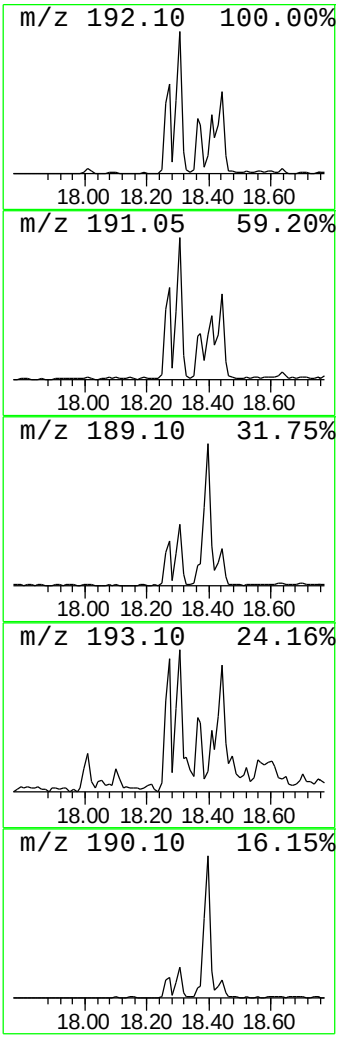
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	11.84 ng	282016	Phenanthrene-d10	17.52

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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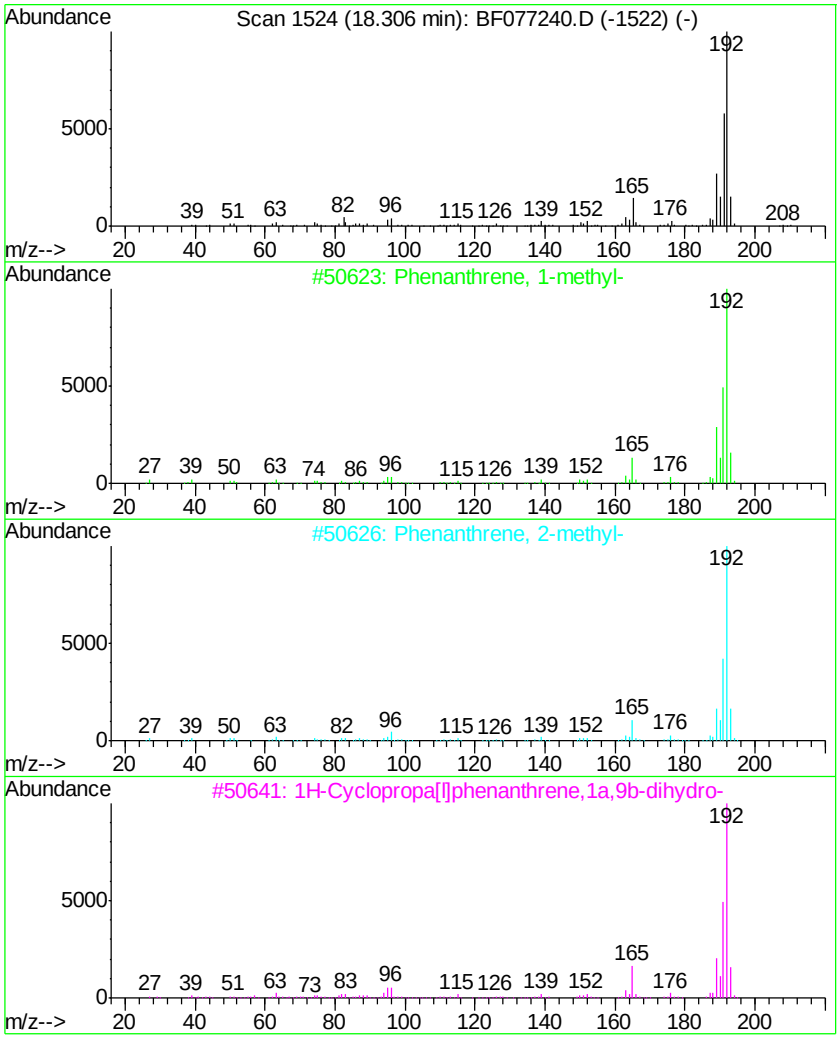
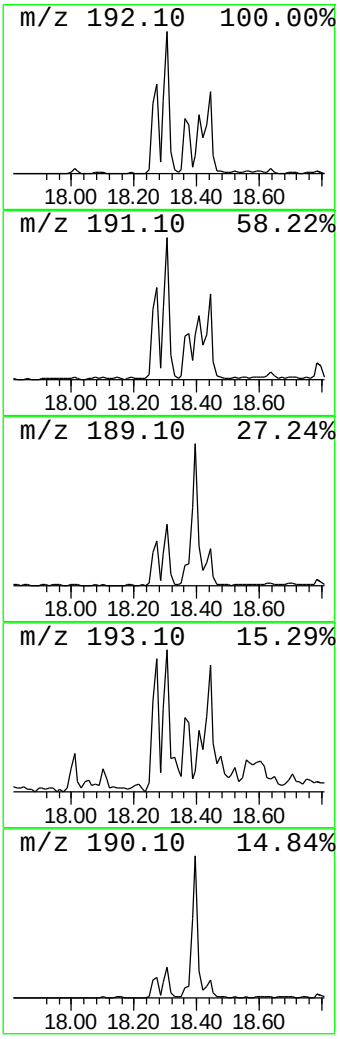
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	14.46 ng	344430	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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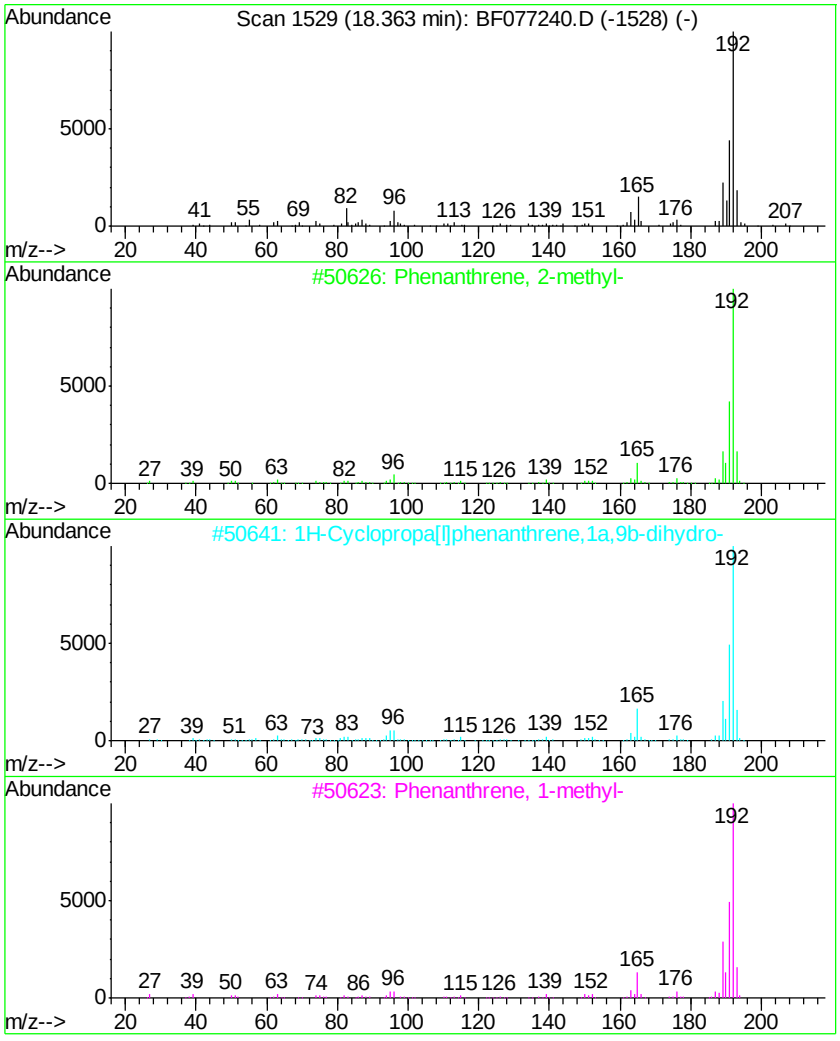
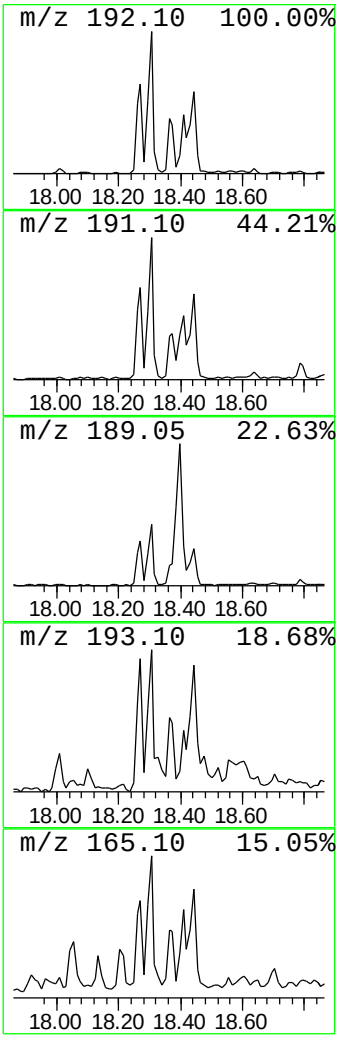
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	5.92 ng	141084	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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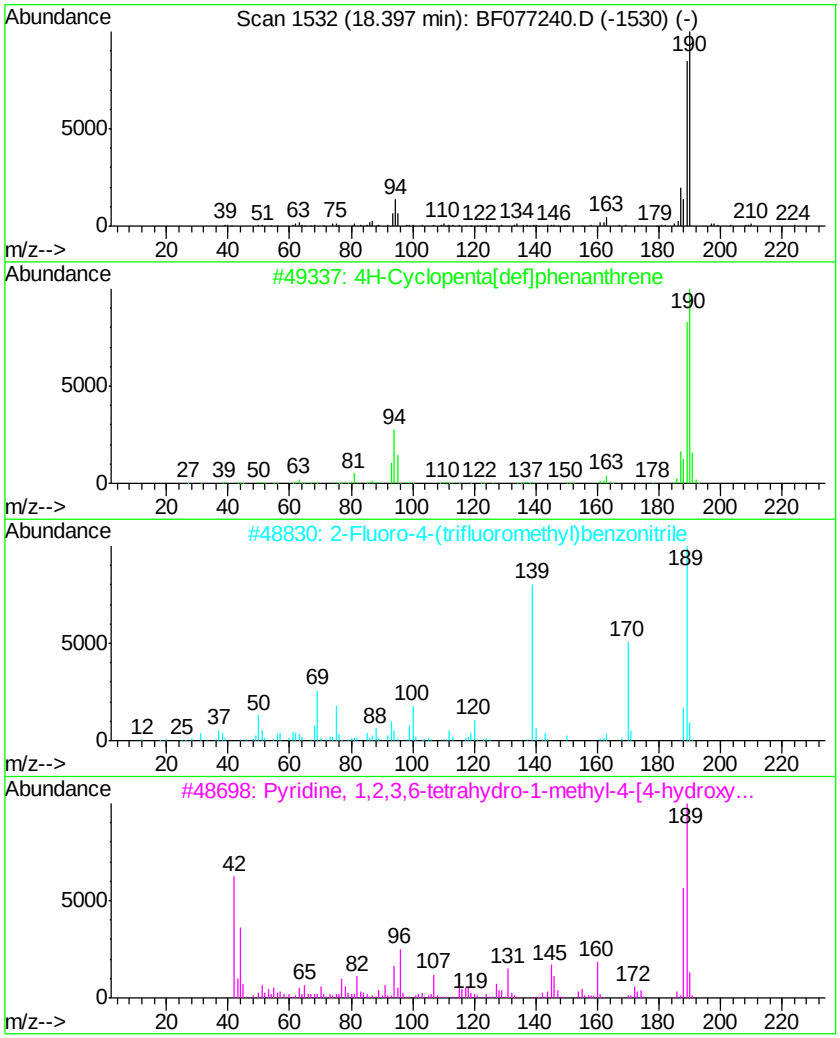
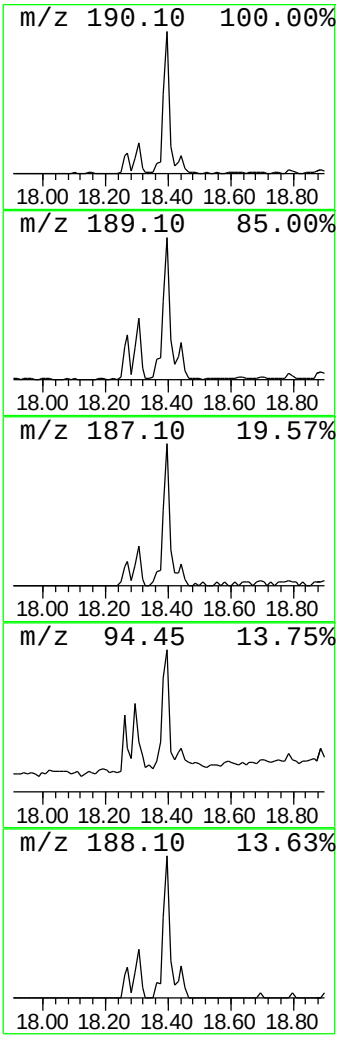
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	16.03 ng	381997	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	2-Fluoro-4-(trifluoromethyl)benz...	189	C8H3F4N	146070-34-0	9
3	Pyridine, 1,2,3,6-tetrahydro-1-m...	189	C12H15NO	005233-54-5	9
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	9
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	9





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Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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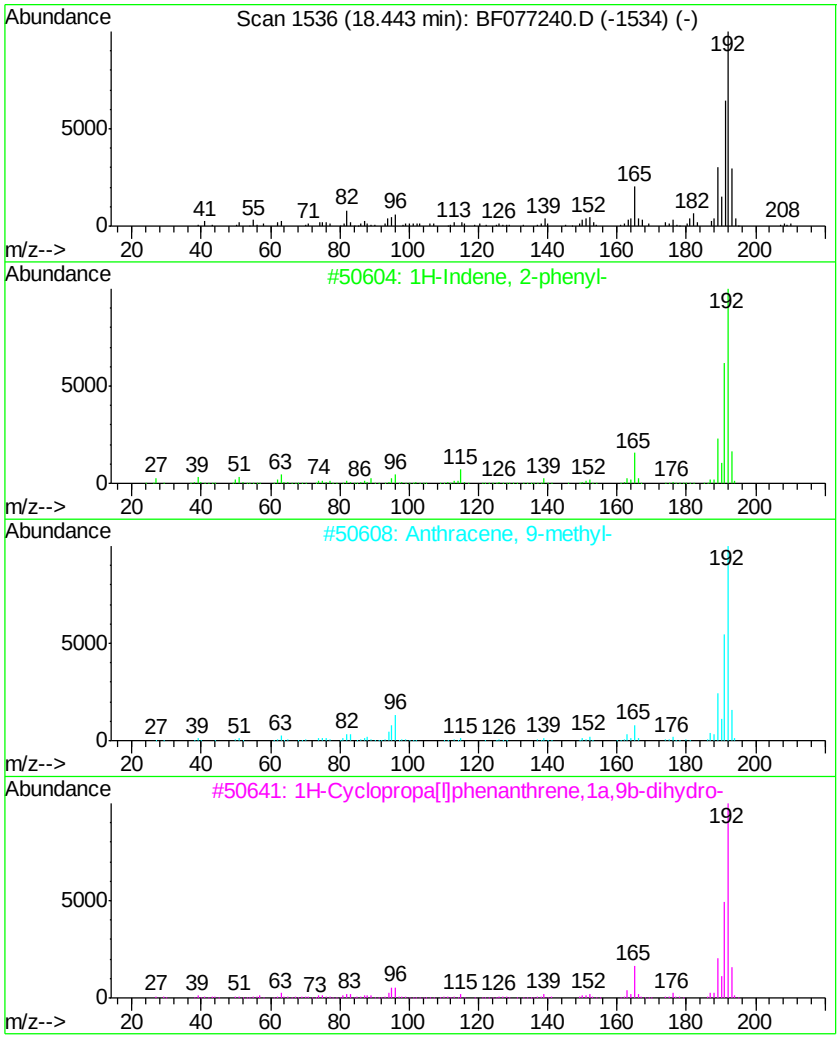
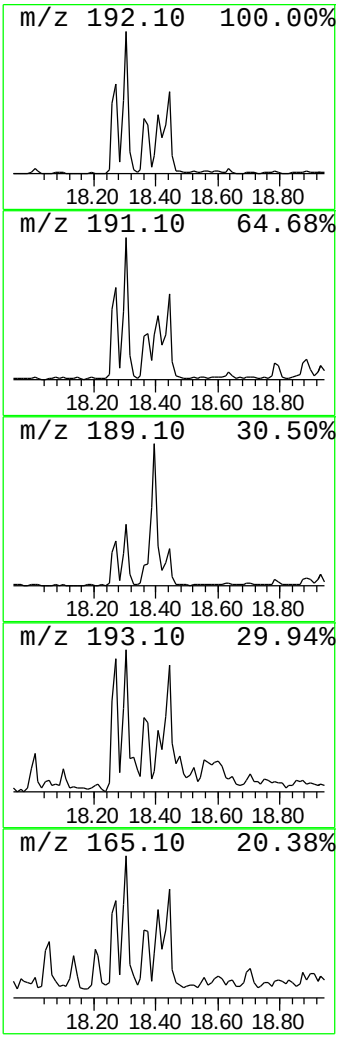
Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	9.99 ng	238048	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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

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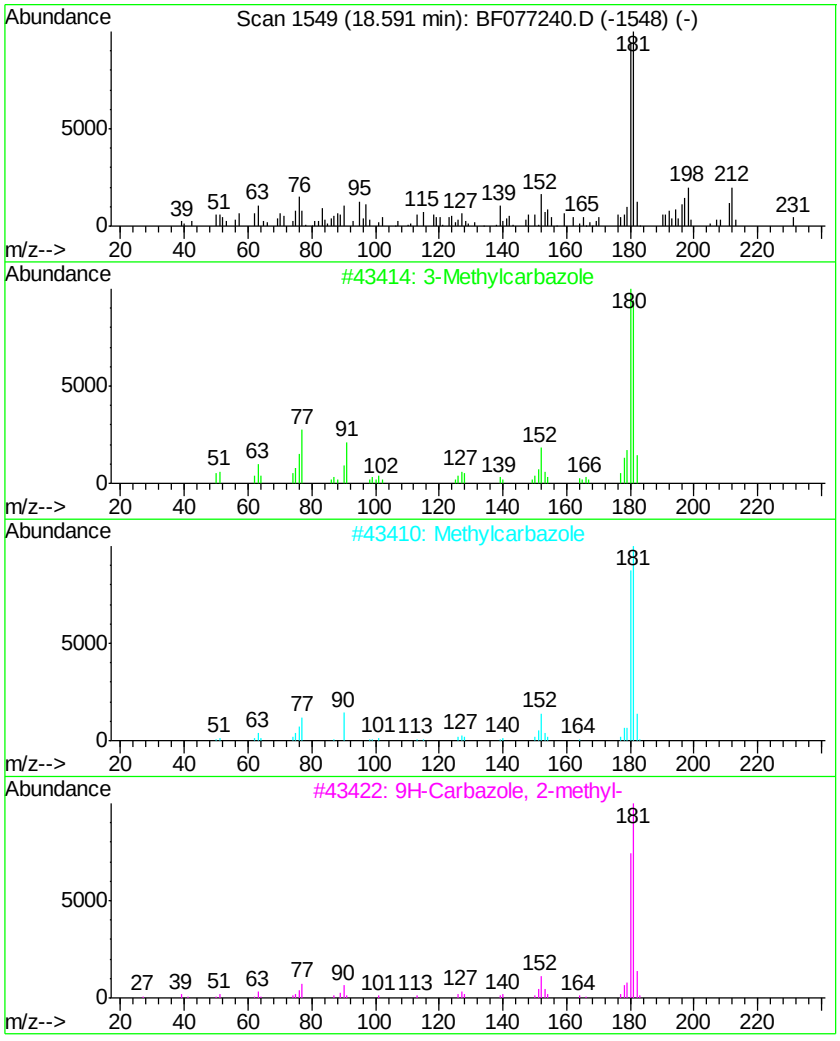
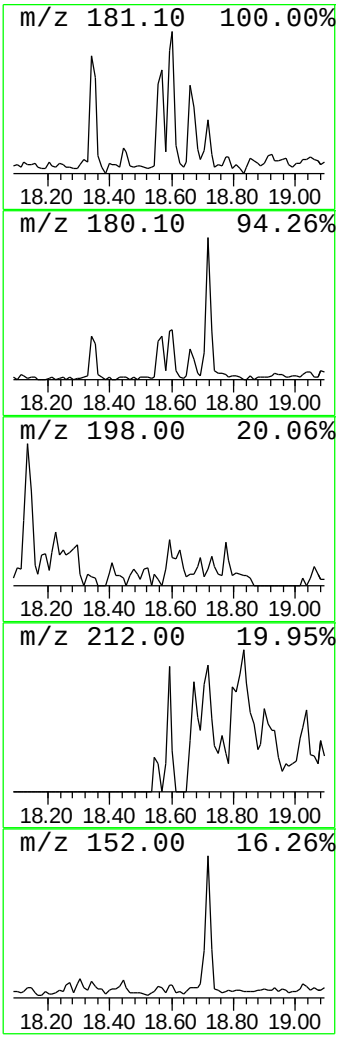
Peak Number 16 3-Methylcarbazole Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	4.42 ng	105303	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	64
2	Methylcarbazole	181	C13H11N	027323-29-1	64
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	58
4	2-Fluorenamine	181	C13H11N	000153-78-6	52
5	4-(2-Phenylvinyl)pyridine, trans-	181	C13H11N	005097-93-8	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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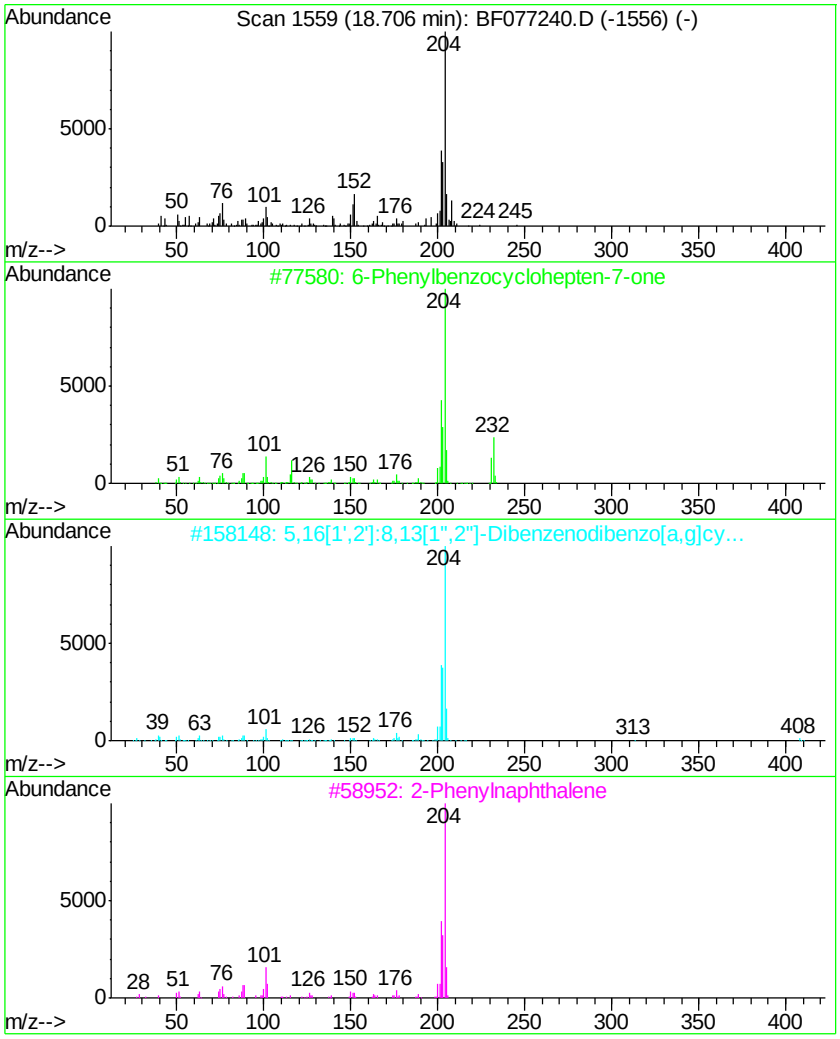
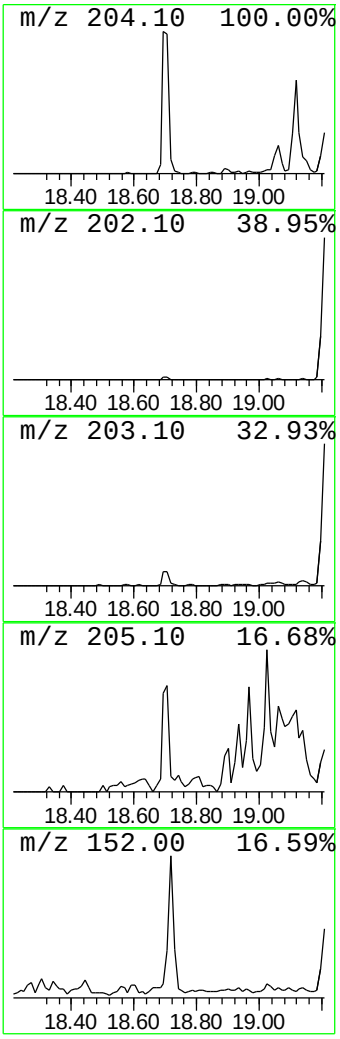
Peak Number 17 6-Phenylbenzocyclohepten-7-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	15.95 ng	380050	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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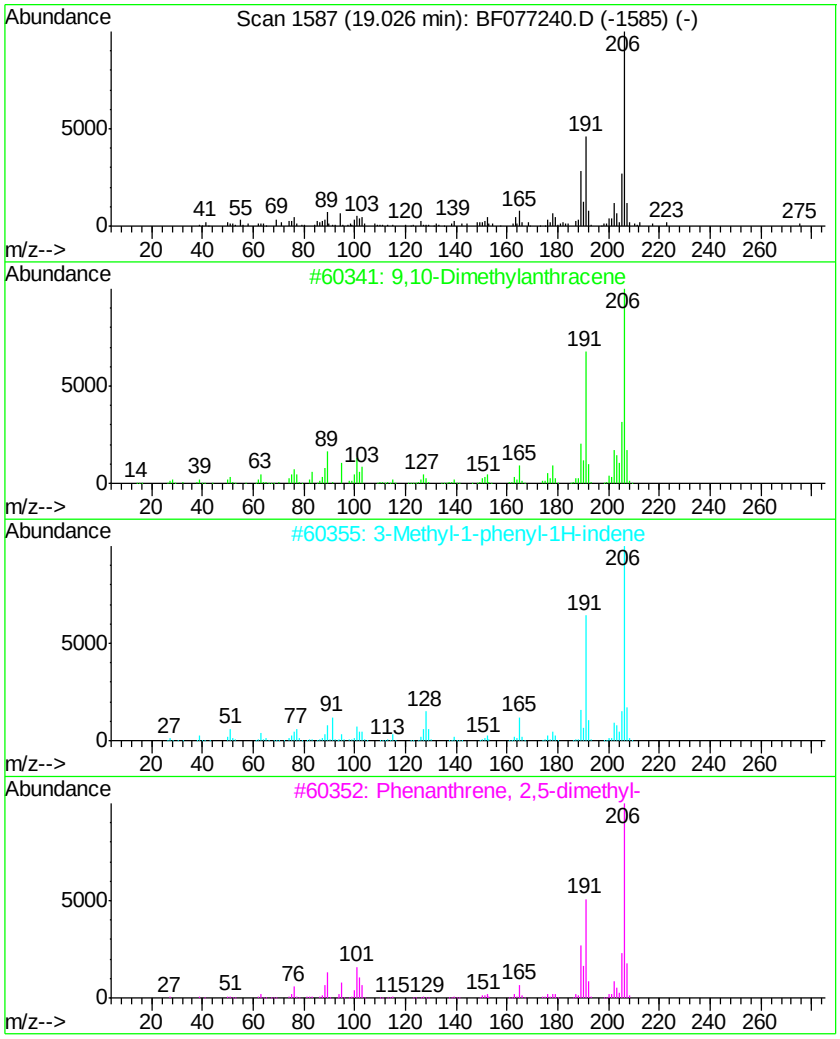
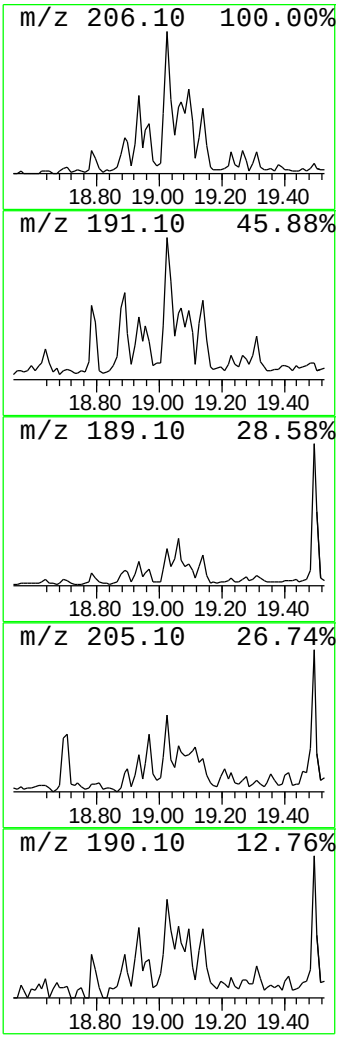
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	7.56 ng	180158	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	80
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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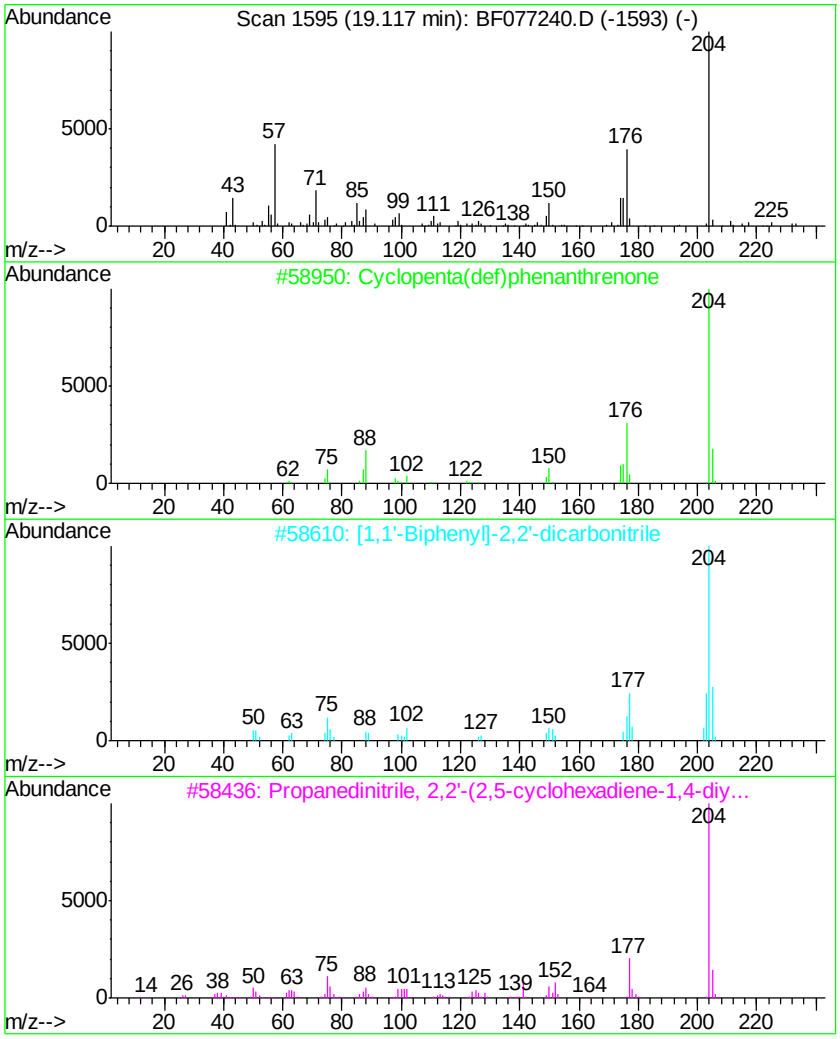
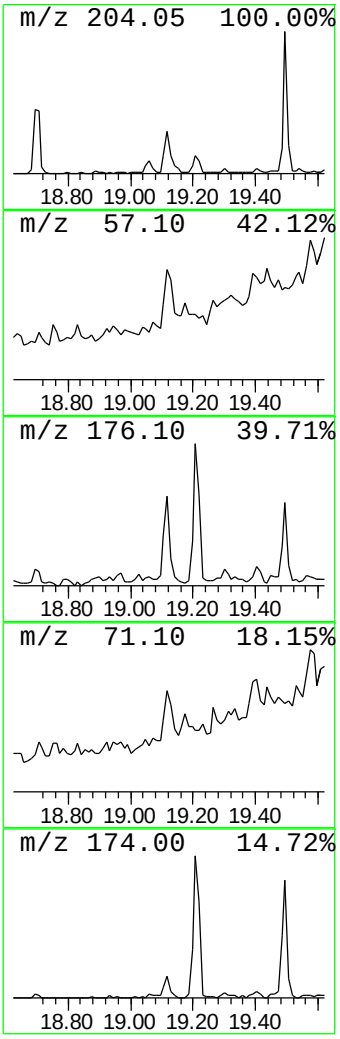
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	8.23 ng	196065	Phenanthrene-d10	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	28
3	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	23
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	17
5	1,4,6-Trimethyl-1,2,3,4-tetrahyd...	204	C11H12N2O2	004951-03-5	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021015\
Data File : BF077240.D
Acq On : 10 Feb 2015 18:06
Operator : TP/IZ
Sample : G1254-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UB10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
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
2-Pentanone, 4-hy...	3.62	10.9	ng	136348	1	7.60	250074	20.0
unknown7.09	7.09	54.2	ng	678068	1	7.60	250074	20.0
Benzene, [1-(2,4-...	16.02	4.9	ng	99344	3	14.63	407519	20.0
9H-Fluorene, 1-me...	16.93	4.6	ng	108690	4	17.52	476551	20.0
9H-Fluoren-9-one	17.23	8.7	ng	206073	4	17.52	476551	20.0
Anthracene, 1,2,3...	17.31	4.3	ng	101711	4	17.52	476551	20.0
Dibenzothiophene	17.35	8.1	ng	193468	4	17.52	476551	20.0
Dibenzothiophene,...	18.13	4.3	ng	103640	4	17.52	476551	20.0
Phenanthrene, 1-m...	18.27	11.8	ng	282016	4	17.52	476551	20.0
Phenanthrene, 2-m...	18.31	14.5	ng	344430	4	17.52	476551	20.0
1H-Cyclopropa[l]p...	18.36	5.9	ng	141084	4	17.52	476551	20.0
4H-Cyclopenta[def...	18.40	16.0	ng	381997	4	17.52	476551	20.0
1H-Indene, 2-phenyl-	18.44	10.0	ng	238048	4	17.52	476551	20.0
3-Methylcarbazole	18.59	4.4	ng	105303	4	17.52	476551	20.0
6-Phenylbenzocycl...	18.71	15.9	ng	380050	4	17.52	476551	20.0
9,10-Dimethylanth...	19.03	7.6	ng	180158	4	17.52	476551	20.0
Cyclopenta(def)ph...	19.12	8.2	ng	196065	4	17.52	476551	20.0