LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

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_P\METHODS\8270-BP100119.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	5.387	557	561	576	rVB	2485787	2192385	54.82%	3.302%
2	6.405	730	734	744	rBV	2745753	2405265	60.15%	3.623%
3	6.534	752	756	760	rBV	3053649	2493920	62.36%	3.757%
4	6.763	792	795	799	rBV	1975789	1509992	37.76%	2.274%
5	6.922	818	822	825	rBV	2189654	2003757	50.11%	3.018%
6	7.028	837	840	847	rVB	32901	45873	1.15%	0.069%
7	7.322	886	890	893	rBV	1739037	1352259	33.82%	2.037%
8	7.793	964	970	974	rBV3	38100	69977	1.75%	0.105%
9	8.046	1010	1013	1016	rBV	2414084	2080734	52.03%	3.134%
10	8.069	1016	1017	1021	rVB	513787	269517	6.74%	0.406%
11	8.763	1132	1135	1139	rVB	835887	606437	15.16%	0.913%
12	8.816	1140	1144	1147	rBV2	34921	44385	1.11%	0.067%
13	8.863	1147	1152	1155	rVB	773300	587801	14.70%	0.885%
14	9.128	1193	1197	1200	rBV	4067142	3103773	77.61%	4.675%
15	9.228	1208	1214	1217	rBV	96006	107013	2.68%	0.161%
16	9.328	1228	1231	1236	rVB	124299	161978	4.05%	0.244%
17	9.399	1238	1243	1246	rBV	264101	343645	8.59%	0.518%
18	9.469	1251	1255	1257	rBV	513371	468311	11.71%	0.705%
19	9.493	1257	1259	1262	rVB	287953	226810	5.67%	0.342%
20	9.522	1262	1264	1270	rVB	518335	441713	11.05%	0.665%
21	9.587	1272	1275	1277	rBV	255879	226359	5.66%	0.341%
22	9.669	1286	1289	1294	rVB	601490	469914	11.75%	0.708%
23	9.810	1307	1313	1316	rBV	3033347	2510611	62.78%	3.782%
24	9.846	1316	1319	1322	rVB	366348	354795	8.87%	0.534%
25	9.916	1327	1331	1335	rBV2	99681	140920	3.52%	0.212%
26	9.963	1335	1339	1342	rVV2	58158	80560	2.01%	0.121%
27	10.016	1344	1348	1352	rVV	354423	319698	7.99%	0.482%
28	10.057	1352	1355	1358	rVB	165755	131808	3.30%	0.199%
29	10.134	1363	1368	1370	rBV2	155587	184831	4.62%	0.278%
30	10.163	1370	1373	1379	rVB	117617	116629	2.92%	0.176%
31	10.222	1379	1383	1385	rBV2	122106	173989	4.35%	0.262%
32	10.240	1385	1386	1389	rVV2	93803	61988	1.55%	0.093%
33	10.269	1389	1391	1393	rVV	61575	45557	1.14%	0.069%
34	10.316	1393	1399	1400	rVV4	88655	102596	2.57%	0.155%

LSC Area Percent Report

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Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

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_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.363	1404	1407	1413	rVV	866452	769053	19.23%	1.158%
36	10.428	1416	1418	1420	rVV	161259	150230	3.76%	0.226%
37	10.451	1420	1422	1424	rVV2	145873	134288	3.36%	0.202%
38	10.475	1424	1426	1428	rVV2	135462	131758	3.29%	0.198%
39	10.522	1431	1434	1440	rVV3	148041	192200	4.81%	0.290%
40	10.604	1442	1448	1452	rVV	2393832	2078801	51.98%	3.131%
41	10.651	1452	1456	1461	rVB3	49221	89639	2.24%	0.135%
42	10.734	1467	1470	1475	rVB3	126802	143082	3.58%	0.216%
43	10.810	1480	1483	1485	rBV	56557	54267	1.36%	0.082%
44	10.916	1496	1501	1504	rBV2	272028	327681	8.19%	0.494%
45	10.946	1504	1506	1509	rVV	238197	205830	5.15%	0.310%
46	10.999	1512	1515	1518	rVB	177830	160299	4.01%	0.241%
47	11.034	1518	1521	1522	rBV	55759	57807	1.45%	0.087%
48	11.069	1525	1527	1529	rVV2	119212	103668	2.59%	0.156%
49	11.116	1533	1535	1539	rVV3	74832	74033	1.85%	0.112%
50	11.157	1540	1542	1545	rVV2	88427	102207	2.56%	0.154%
51	11.204	1547	1550	1556	rVB	366594	348603	8.72%	0.525%
52	11.310	1564	1568	1570	rBV	2986205	2595729	64.91%	3.910%
53	11.334	1570	1572	1575	rVV	3752694	2789455	69.75%	4.202%
54	11.387	1575	1581	1584	rVB	1071689	950342	23.76%	1.431%
55	11.422	1584	1587	1590	rBV	165421	196579	4.92%	0.296%
56	11.540	1605	1607	1610	rBV	214967	183687	4.59%	0.277%
57	11.610	1616	1619	1621	rVB	99982	84989	2.13%	0.128%
58	11.646	1621	1625	1630	rBV2	228960	232935	5.82%	0.351%
59	11.728	1636	1639	1643	rVB	164342	173819	4.35%	0.262%
60	11.816	1651	1654	1657	rBV	743121	666435	16.67%	1.004%
61	11.846	1657	1659	1663	rVB	975188	768089	19.21%	1.157%
62	11.893	1664	1667	1670	rBV	415737	346189	8.66%	0.521%
63	11.928	1670	1673	1676	rVV	1168780	1285338	32.14%	1.936%
64	11.951	1676	1677	1682	rVB	655723	414784	10.37%	0.625%
65	12.022	1687	1689	1692	rBV2	69053	76404	1.91%	0.115%
66	12.051	1692	1694	1697	rVV2	83547	79132	1.98%	0.119%
67	12.116	1702	1705	1707	rVV	371597	319319	7.99%	0.481%
68	12.140	1707	1709	1713	rVB2	95554	112297	2.81%	0.169%
69	12.251	1725	1728	1729	rBV	76846	77792	1.95%	0.117%
70	12.269	1729	1731	1733	rVV	158773	128742	3.22%	0.194%
71	12.298	1734	1736	1738	rVV	191973	163260	4.08%	0.246%

LSC Area Percent Report

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Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

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_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.322	1738	1740	1743	rVB2	168447	139103	3.48%	0.210%
73	12.375	1746	1749	1752	rBV	535026	549524	13.74%	0.828%
74	12.410	1752	1755	1757	rVV	322860	387420	9.69%	0.584%
75	12.463	1761	1764	1768	rBV2	187171	317676	7.94%	0.479%
76	12.540	1773	1777	1780	rBV	3151838	2823417	70.60%	4.253%
77	12.634	1790	1793	1796	rVB	146904	126384	3.16%	0.190%
78	12.693	1800	1803	1806	rVV3	131039	177238	4.43%	0.267%
79	12.769	1810	1816	1818	rBV	3155225	3083041	77.10%	4.644%
80	12.787	1818	1819	1822	rVB2	197114	169893	4.25%	0.256%
81	12.887	1834	1836	1837	rBV	166532	123042	3.08%	0.185%
82	12.910	1837	1840	1848	rVB	3416628	3364653	84.14%	5.068%
83	12.987	1851	1853	1857	rVV	210649	240268	6.01%	0.362%
84	13.098	1870	1872	1876	rVB	723979	628109	15.71%	0.946%
85	13.169	1881	1884	1887	rVB	592581	509323	12.74%	0.767%
86	13.204	1888	1890	1893	rVB	369228	337635	8.44%	0.509%
87	13.298	1904	1906	1909	rVB	293449	239189	5.98%	0.360%
88	13.328	1909	1911	1916	rBV	315477	324197	8.11%	0.488%
89	13.834	1994	1997	2000	rBV2	251667	291227	7.28%	0.439%
90	13.981	2017	2022	2025	rBV2	3062662	3998948	100.00%	6.023%
91	14.010	2025	2027	2029	rVB	1204602	924600	23.12%	1.393%
92	15.034	2198	2201	2204	rBV	968493	1307598	32.70%	1.970%
93	15.339	2250	2253	2258	rVB	614186	803571	20.09%	1.210%
94	15.398	2260	2263	2270	rVB	859469	1056125	26.41%	1.591%
95	15.463	2270	2274	2278	rBV	1691548	2262597	56.58%	3.408%

Sum of corrected areas: 66389340

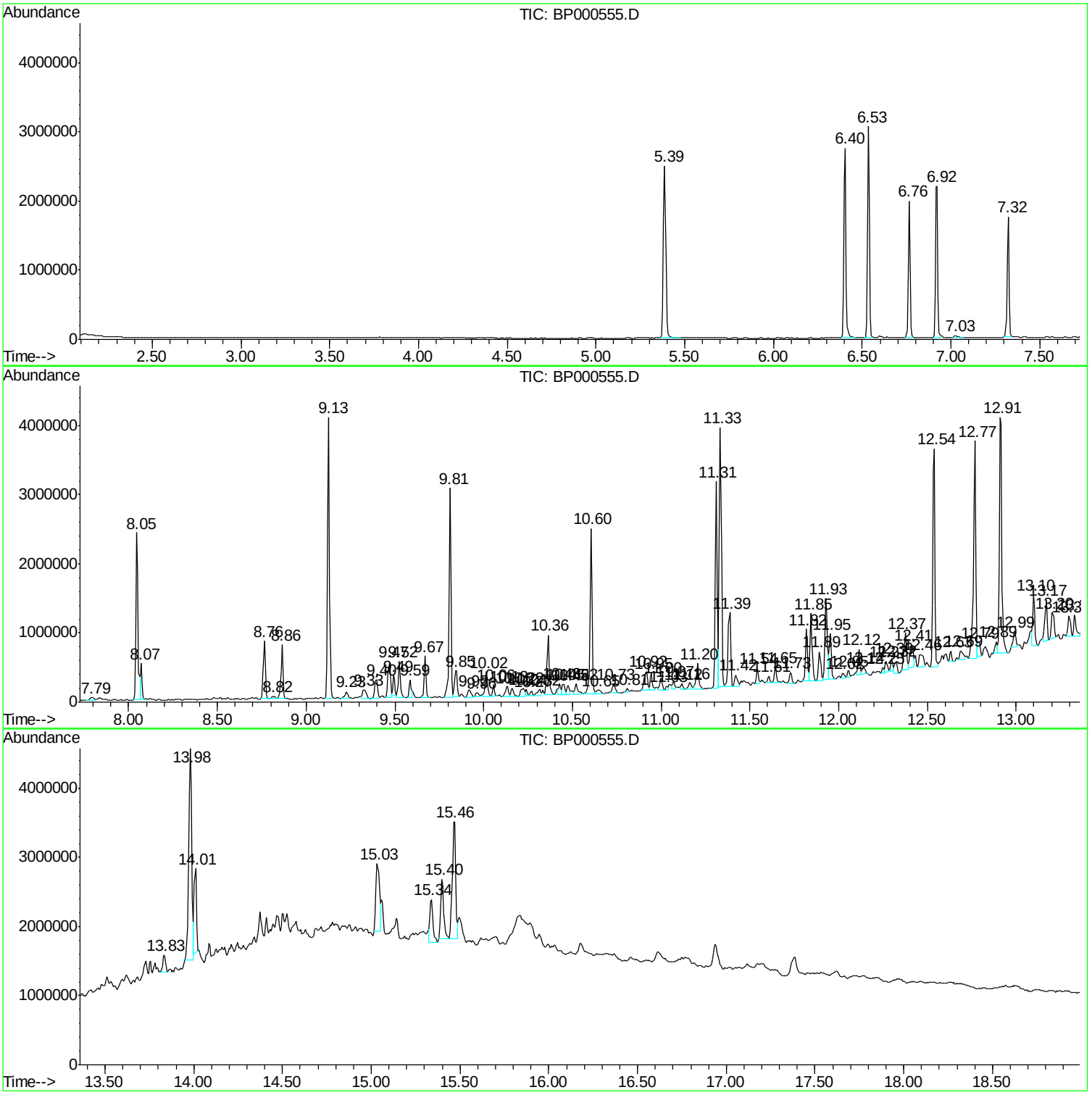
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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 P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

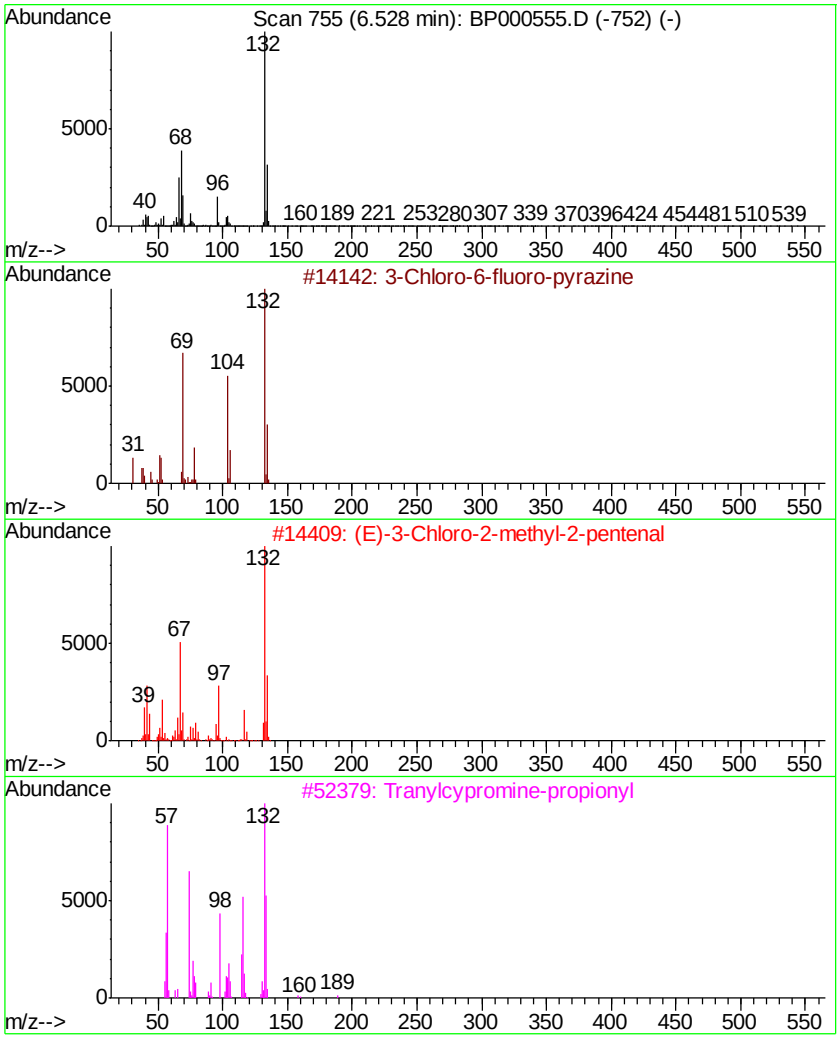
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

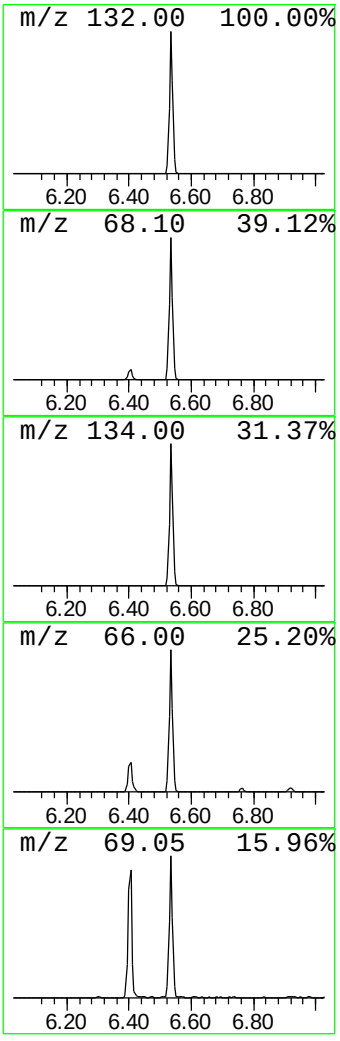
****

Peak Number 1 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	33.03 ng	2493920	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

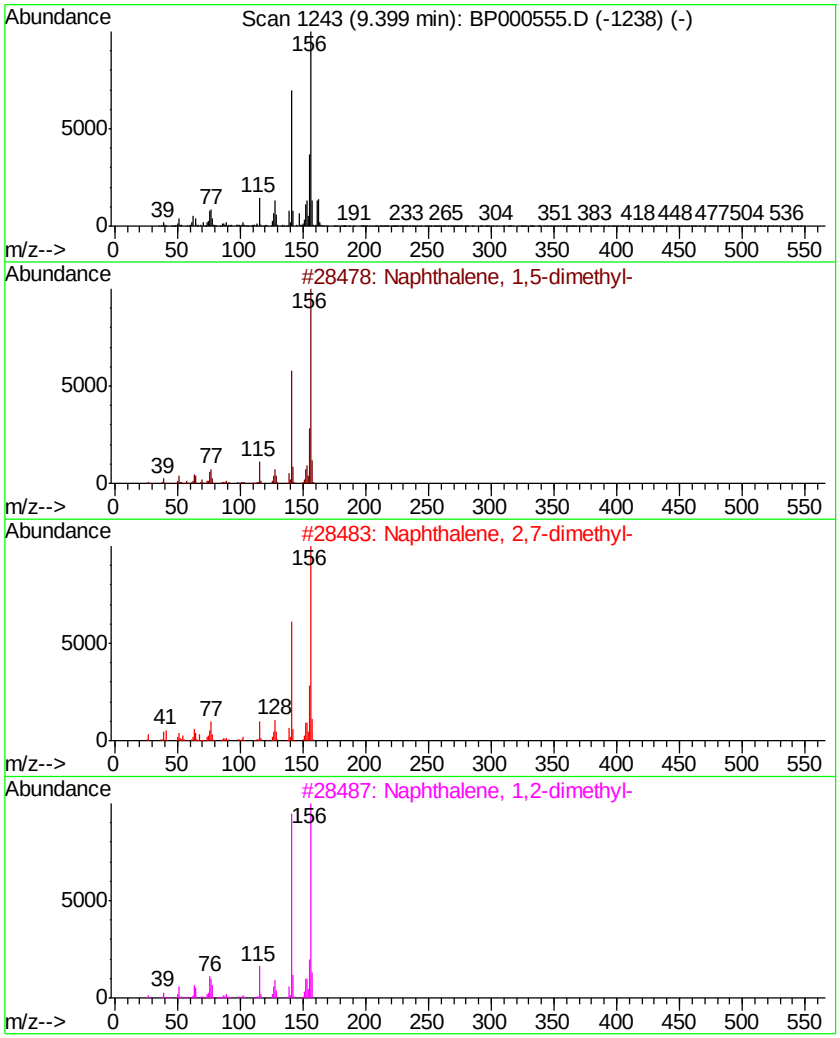
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

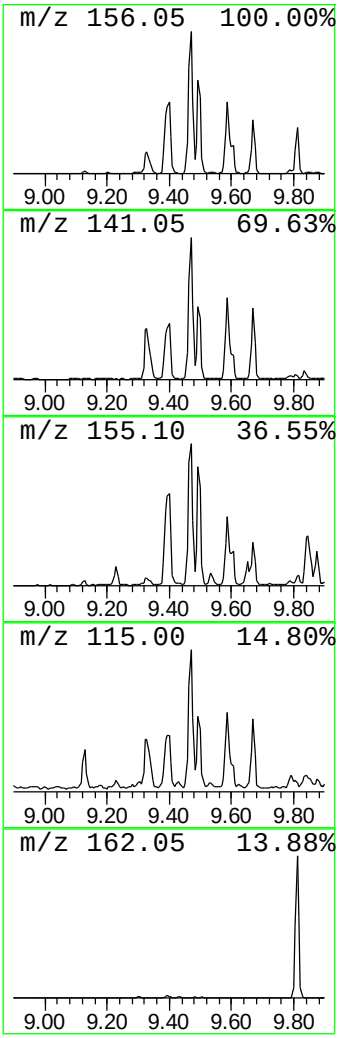
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.74 ng	343645	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
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Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

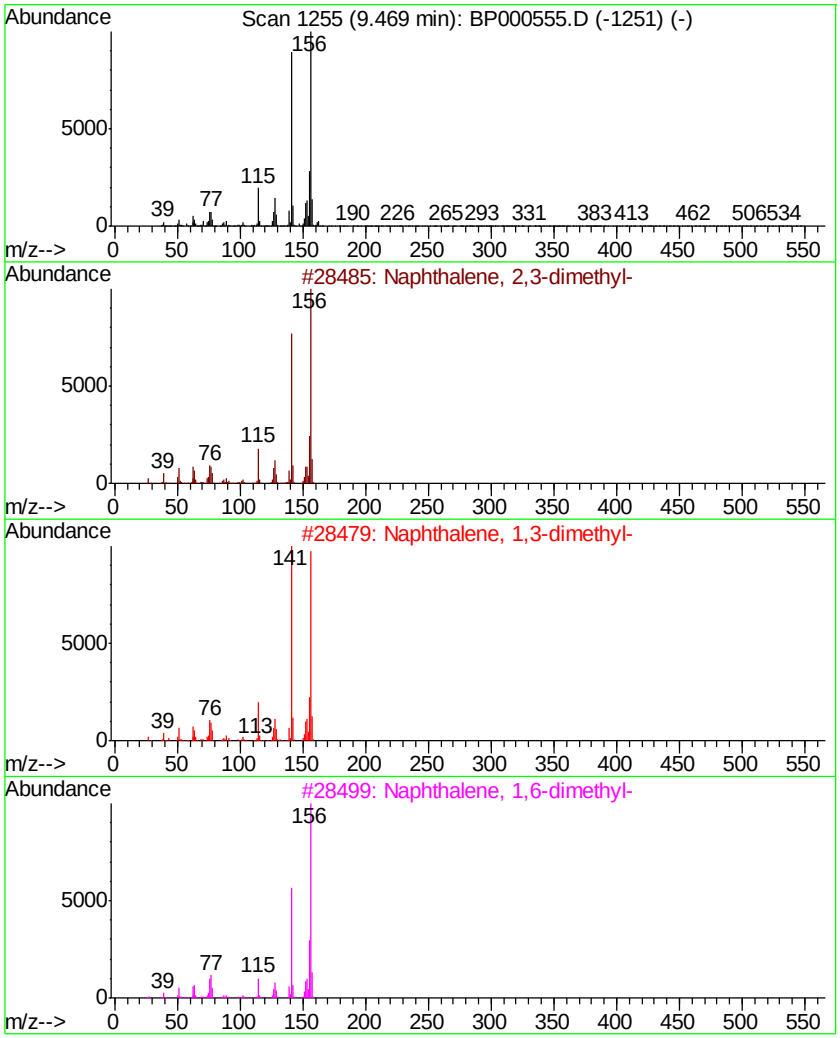
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

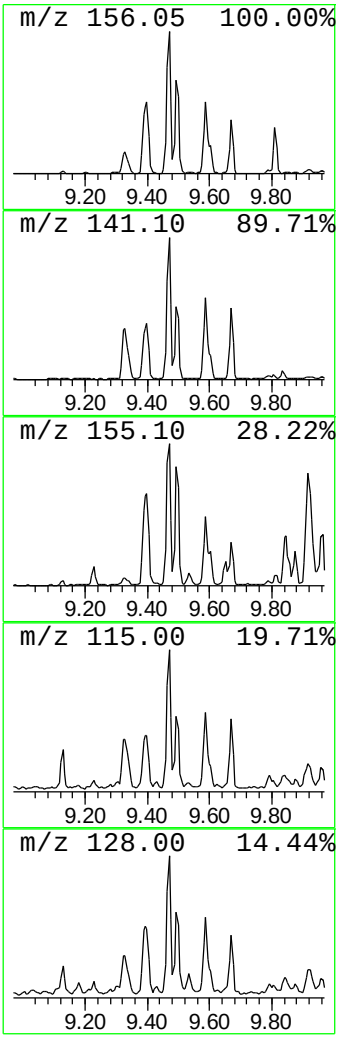
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	3.73 ng	468311	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
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Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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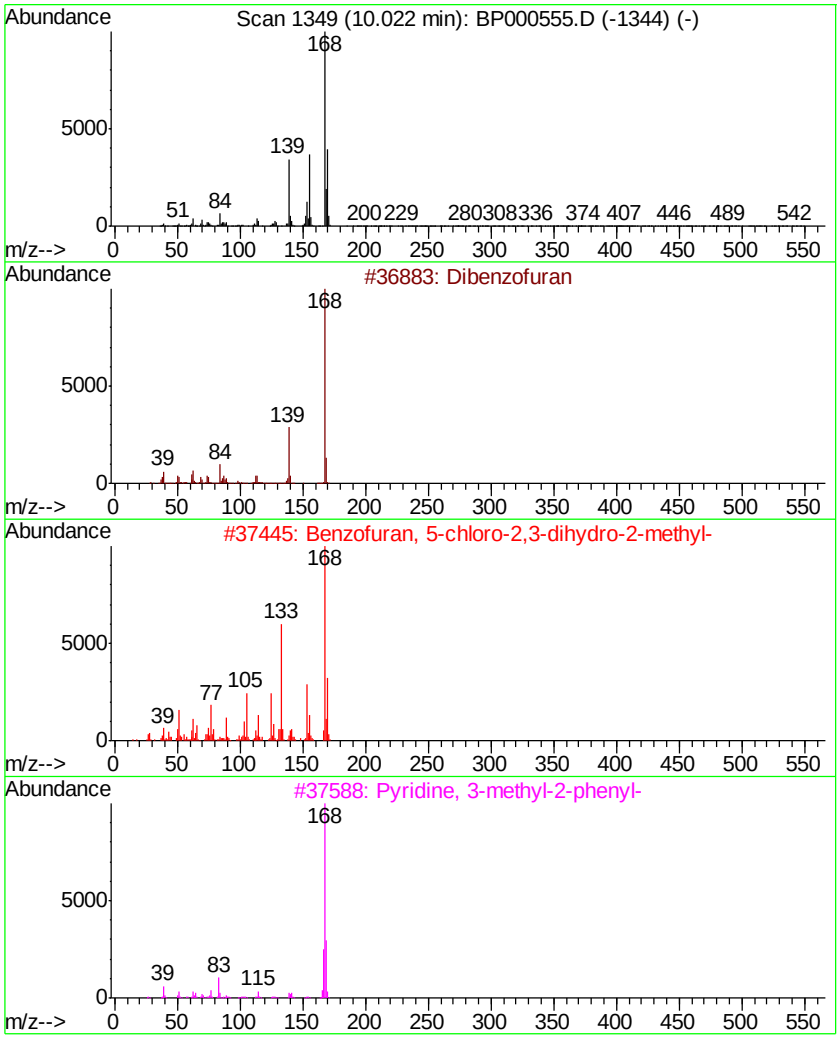
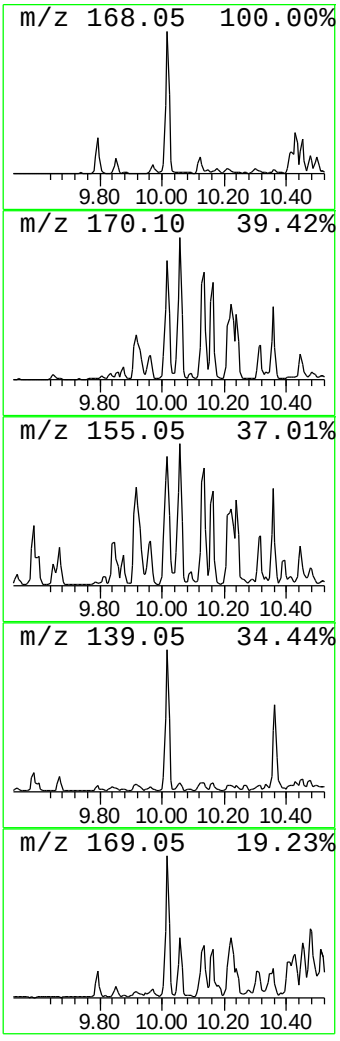
Peak Number 5 unknown10.02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	2.55 ng	319698	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	55
2	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	42
3	Pyridine, 3-methyl-2-phenyl-	169	C12H11N	010273-90-2	38
4	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	38
5	1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

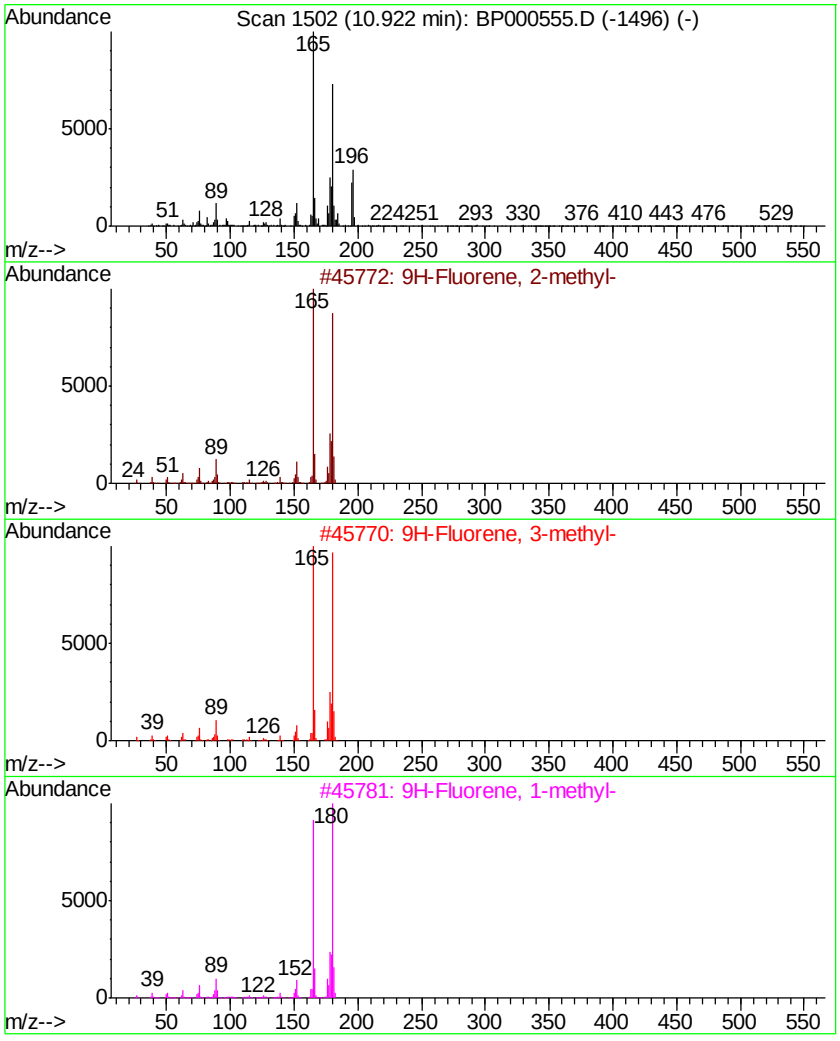
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

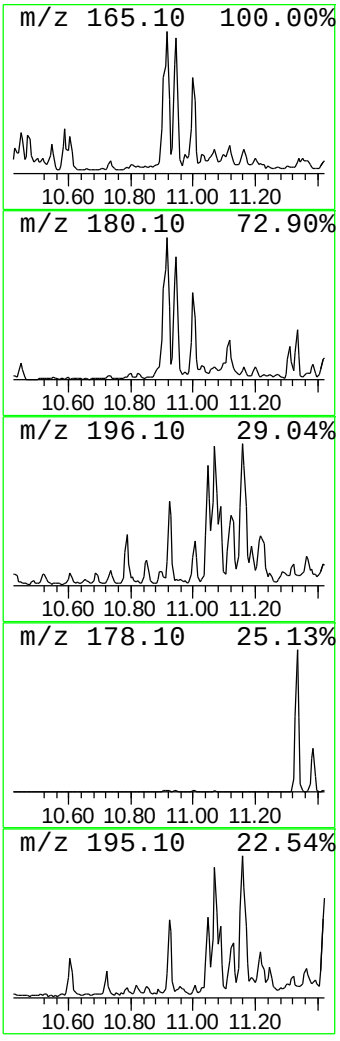
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.52 ng	327681	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

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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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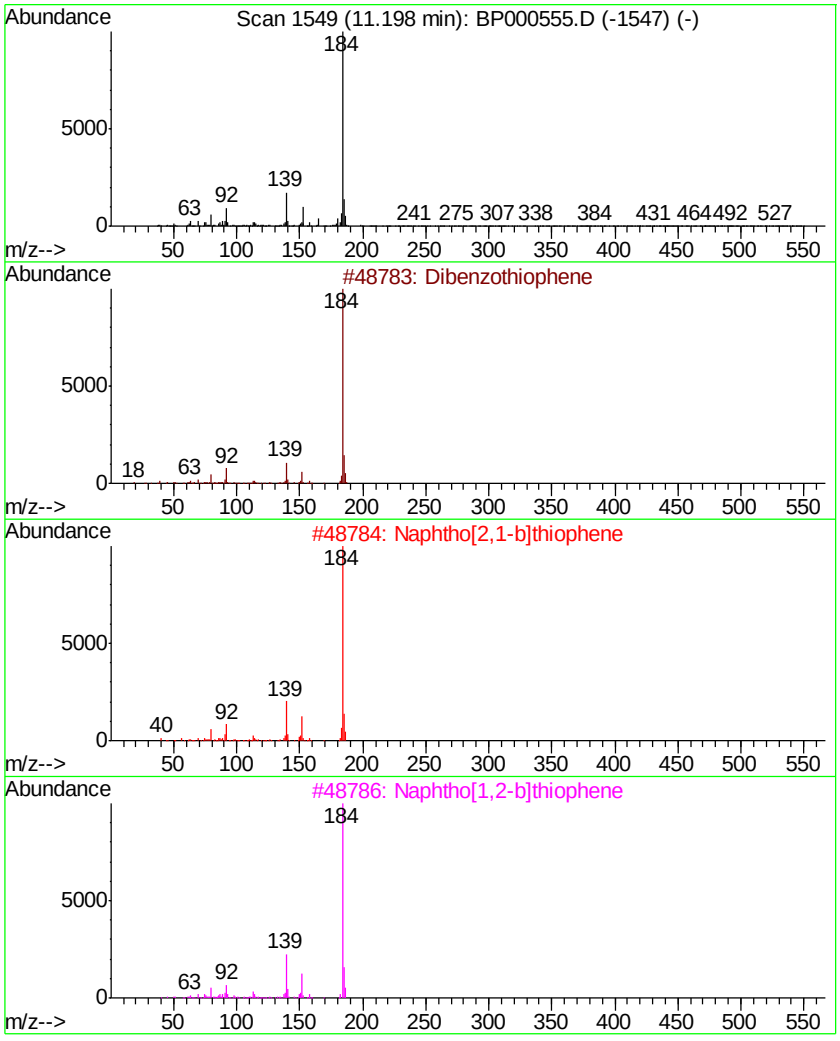
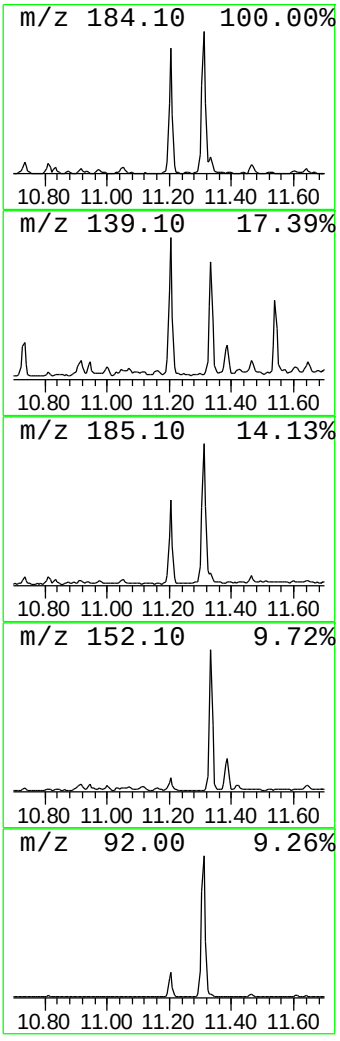
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.69 ng	348603	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : JU
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Instrument : BNA_P
ClientSampleId : CL-01-100419

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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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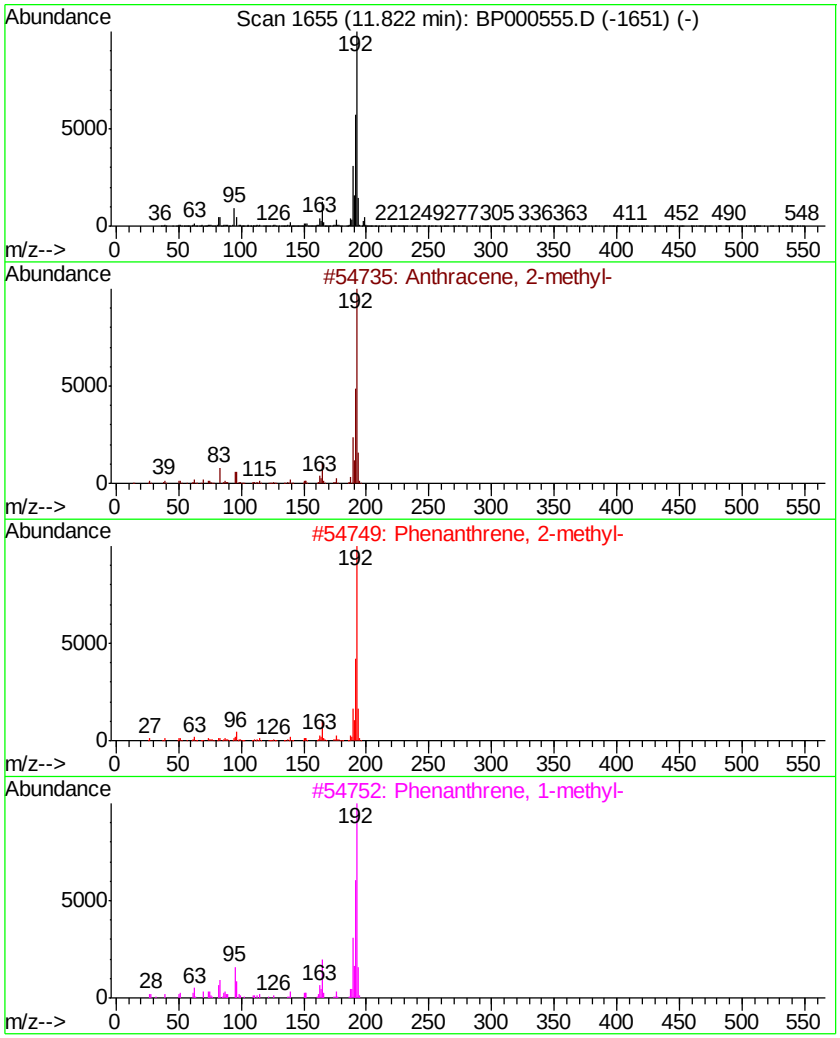
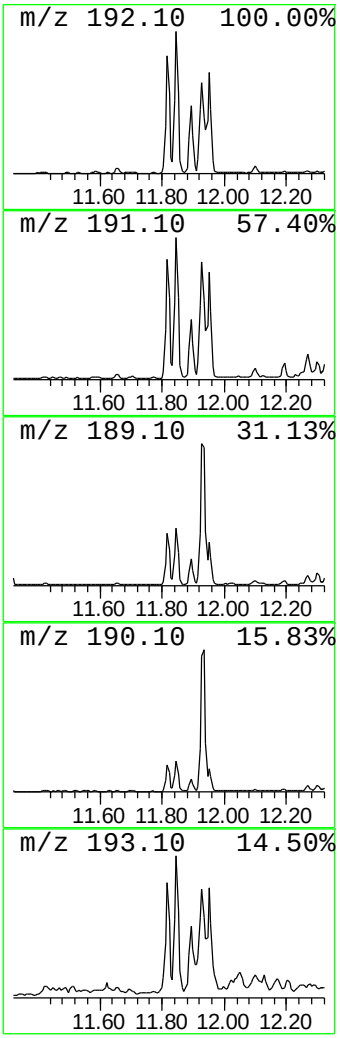
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.13 ng	666435	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Instrument : BNA_P
ClientSampleId : CL-01-100419

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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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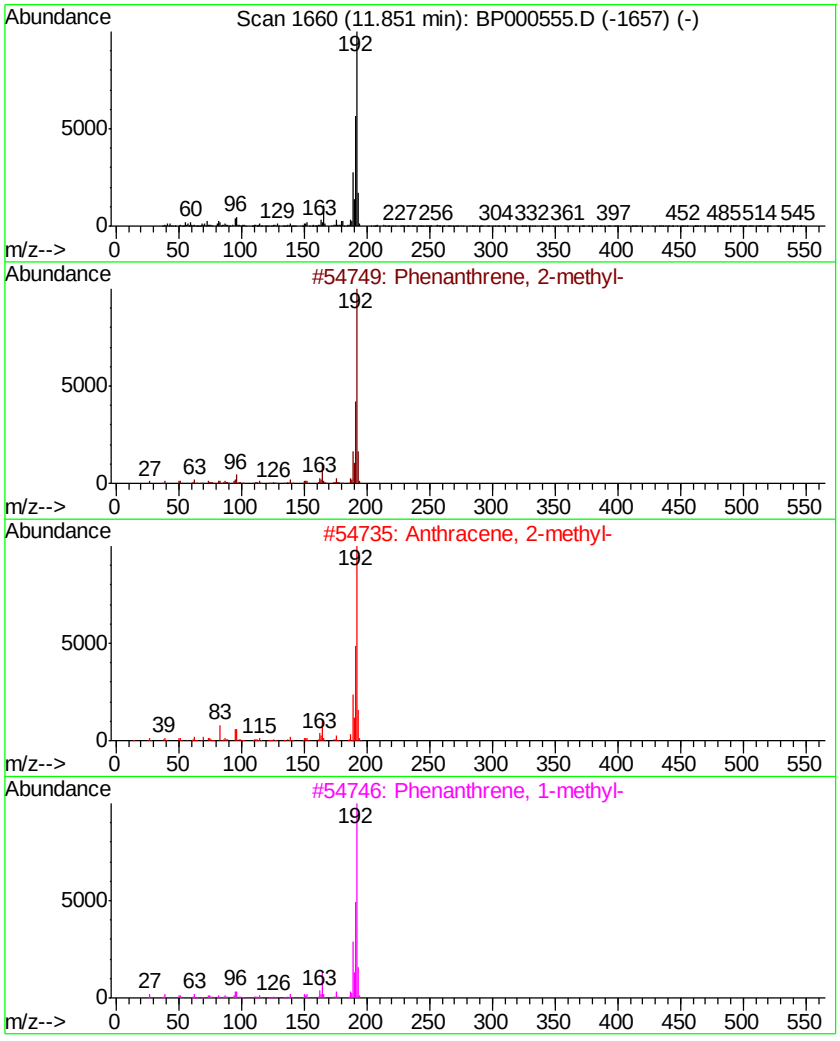
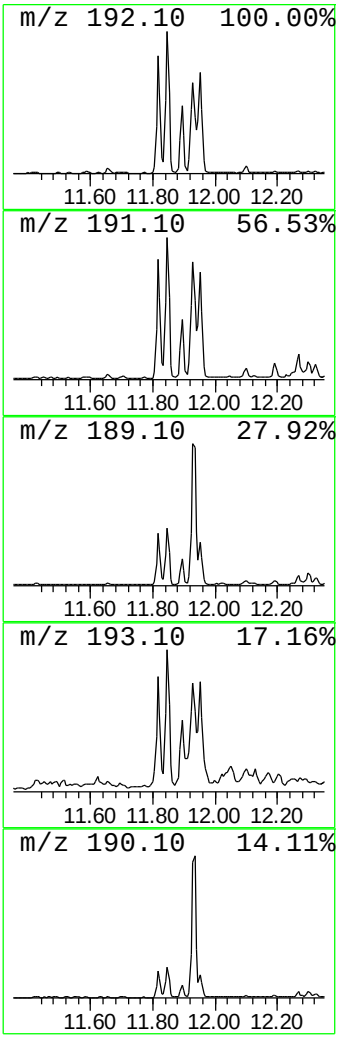
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	5.92 ng	768089	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Library Search Compound Report

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ClientSampleId : CL-01-100419

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

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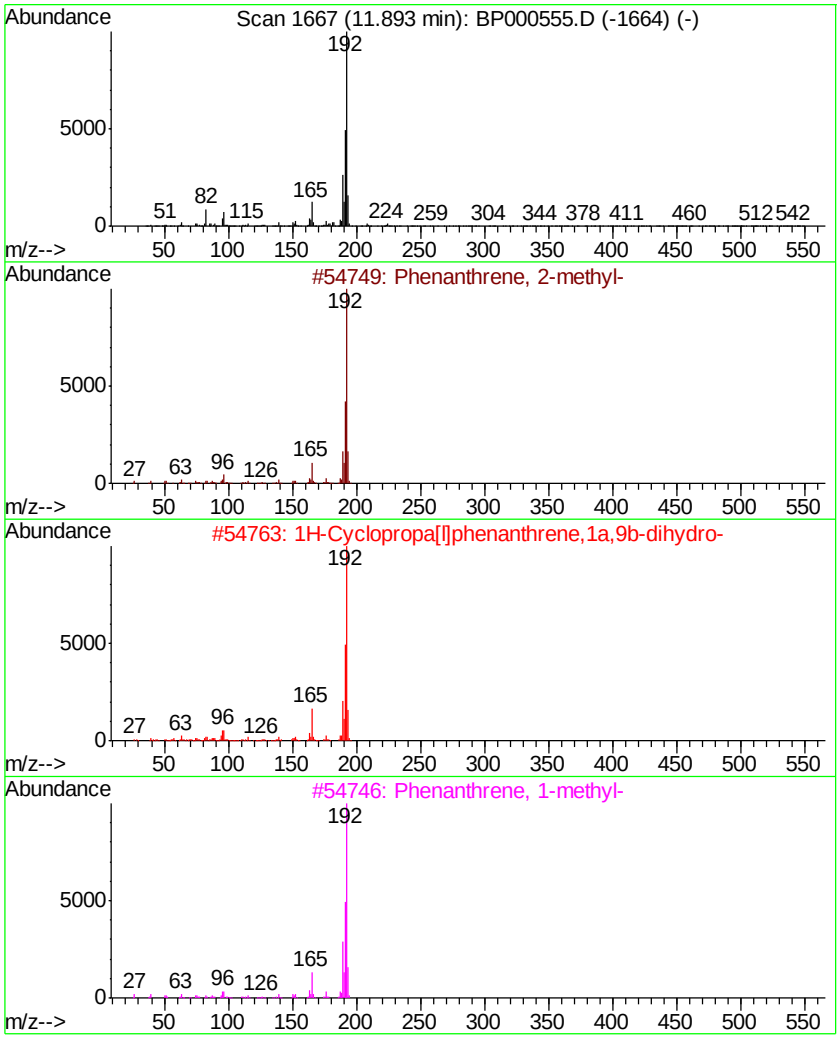
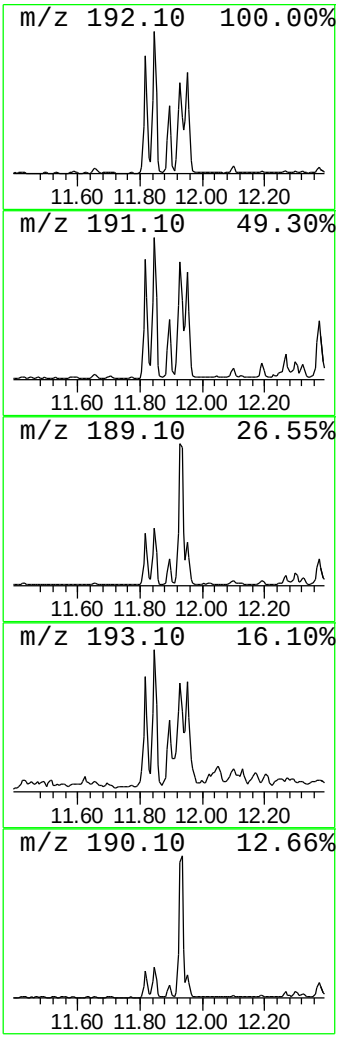
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.67 ng	346189	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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ClientSampleId : CL-01-100419

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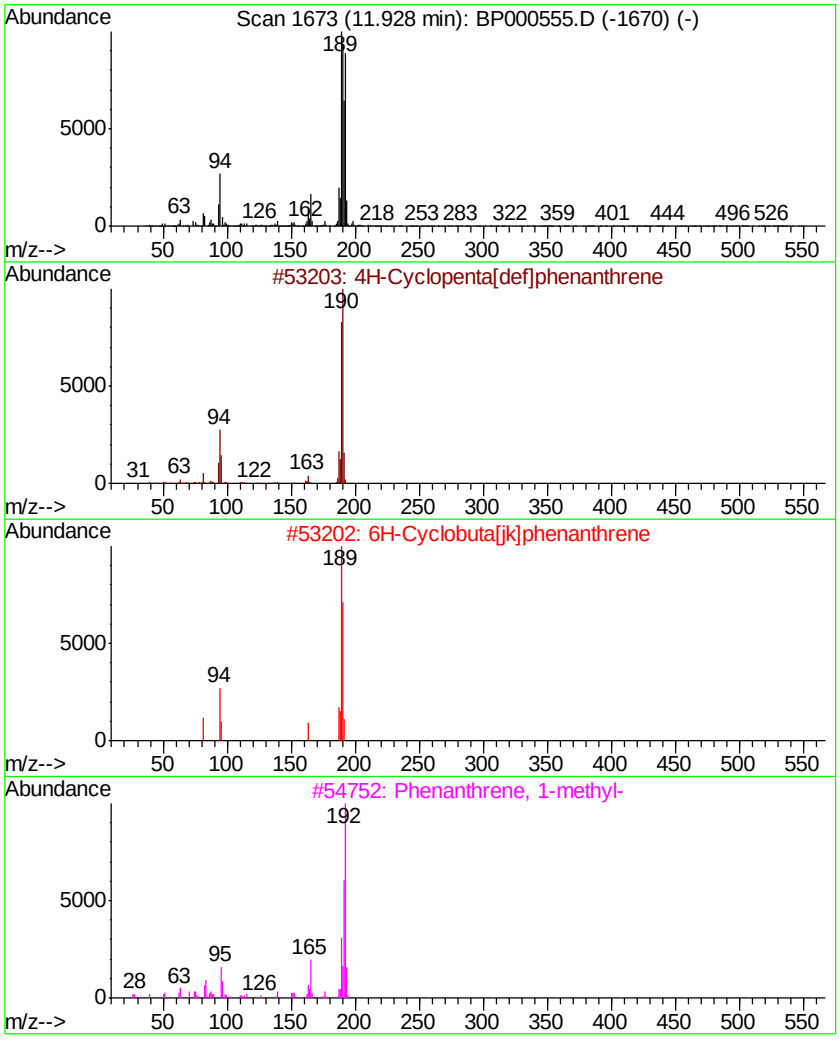
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

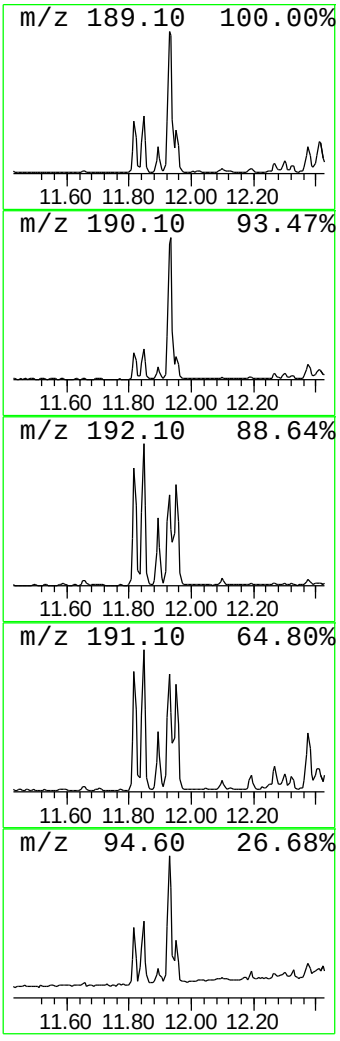
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.90 ng	1285340	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38





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ClientSampleId : CL-01-100419

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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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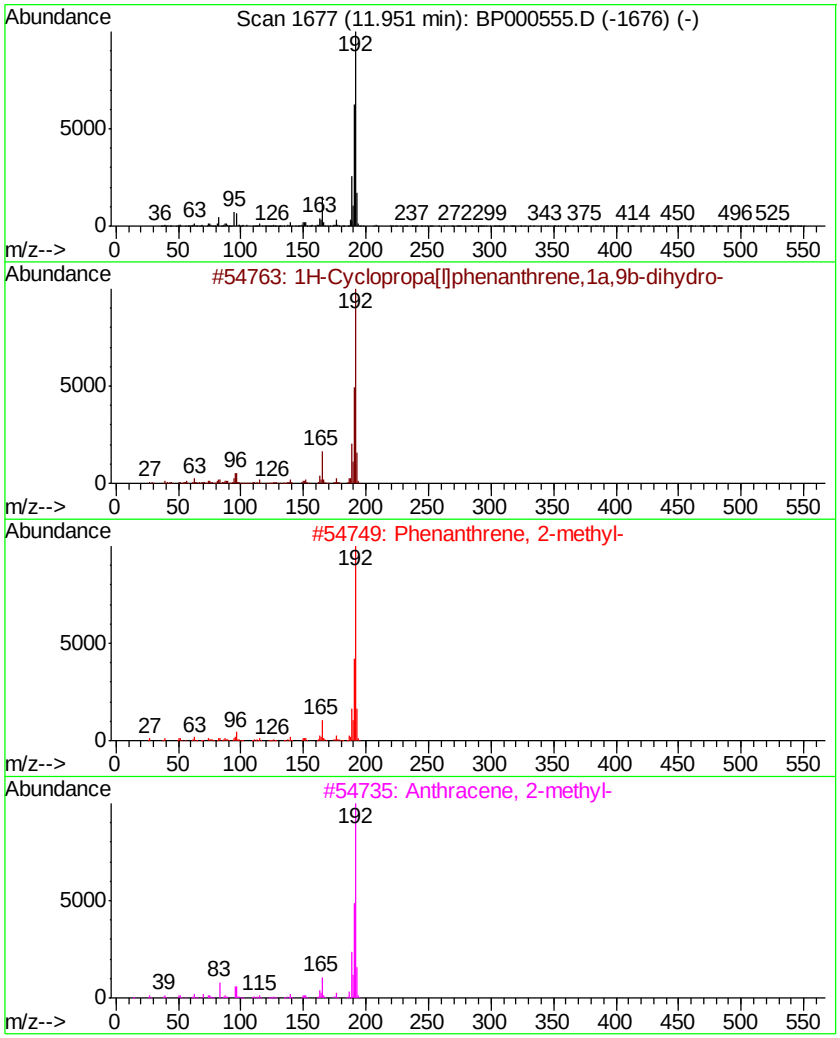
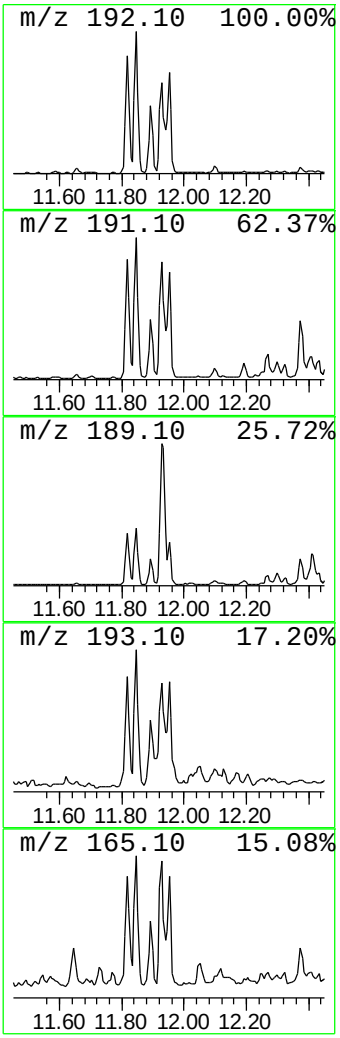
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.20 ng	414784	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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Misc :
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Instrument : BNA_P
ClientSampleId : CL-01-100419

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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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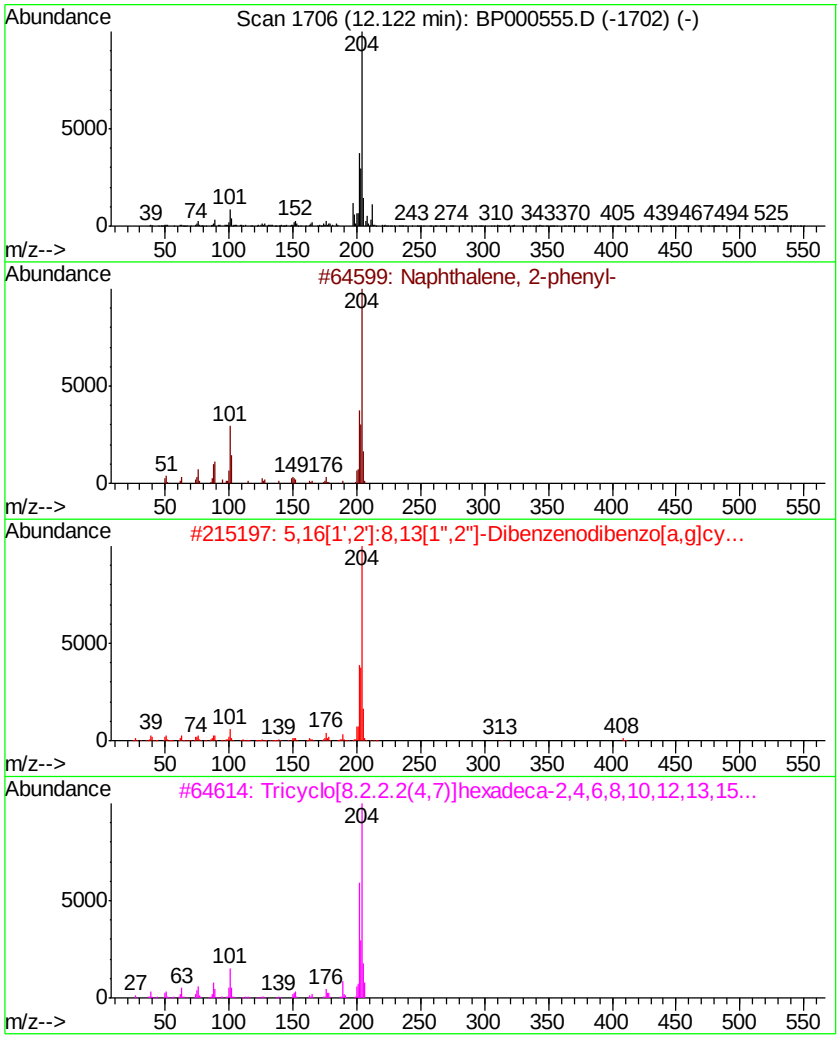
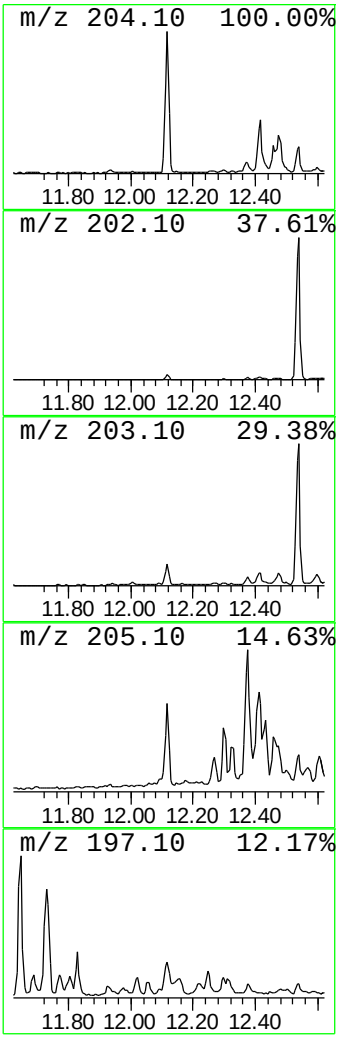
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.46 ng	319319	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
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ClientSampleId : CL-01-100419

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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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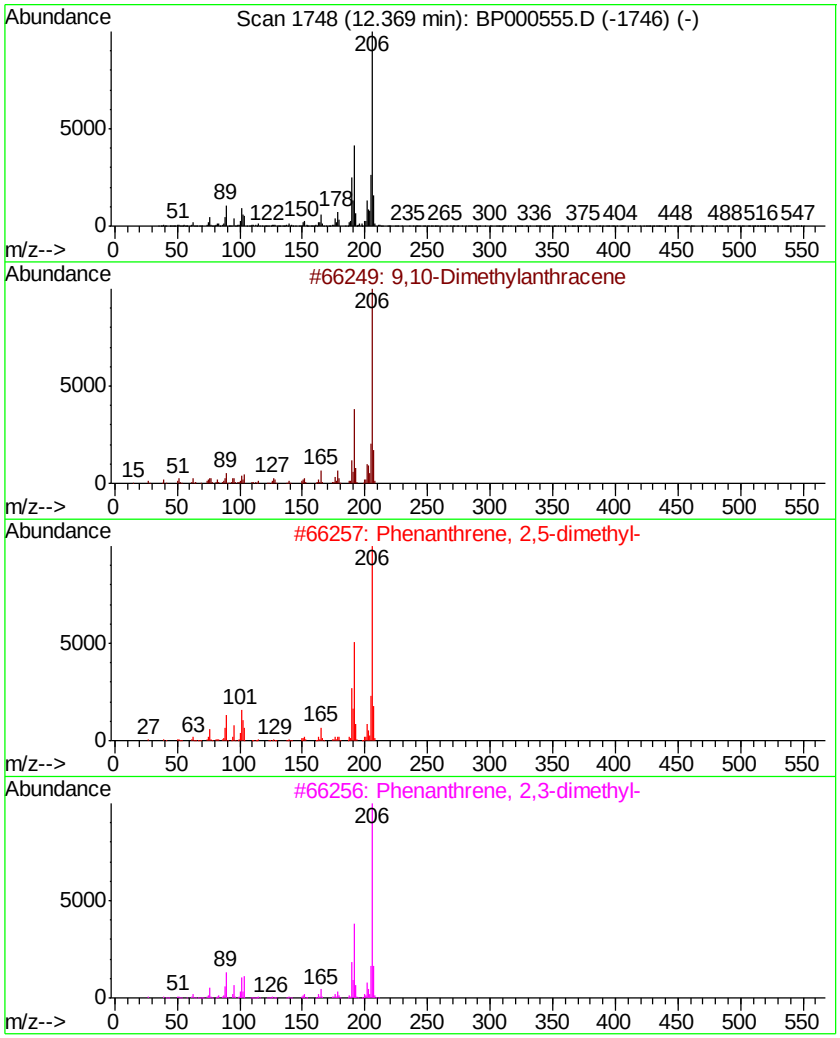
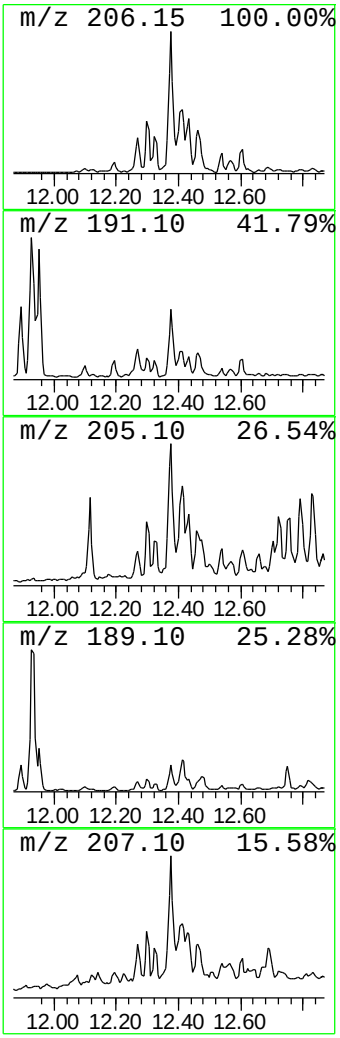
Peak Number 14 Anthracene, 1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.23 ng	549524	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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

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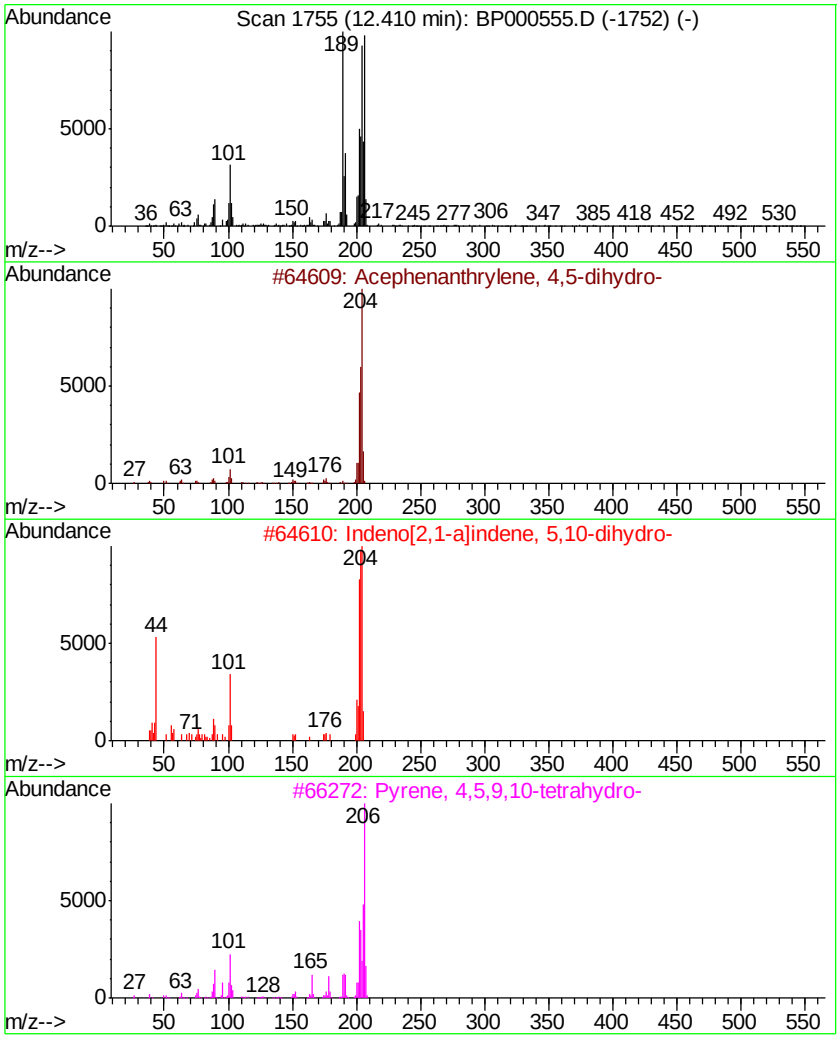
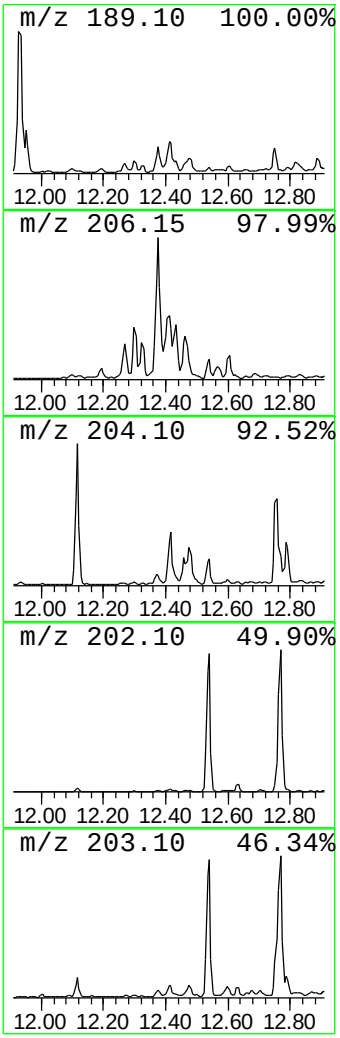
Peak Number 15 Acephenanthrylene, 4,5-dihy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.99 ng	387420	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	51
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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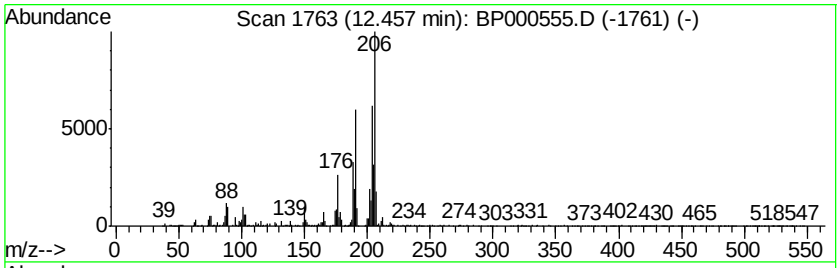
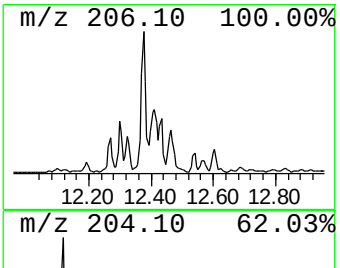
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.45 ng	317676	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
2	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	80
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	64
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64





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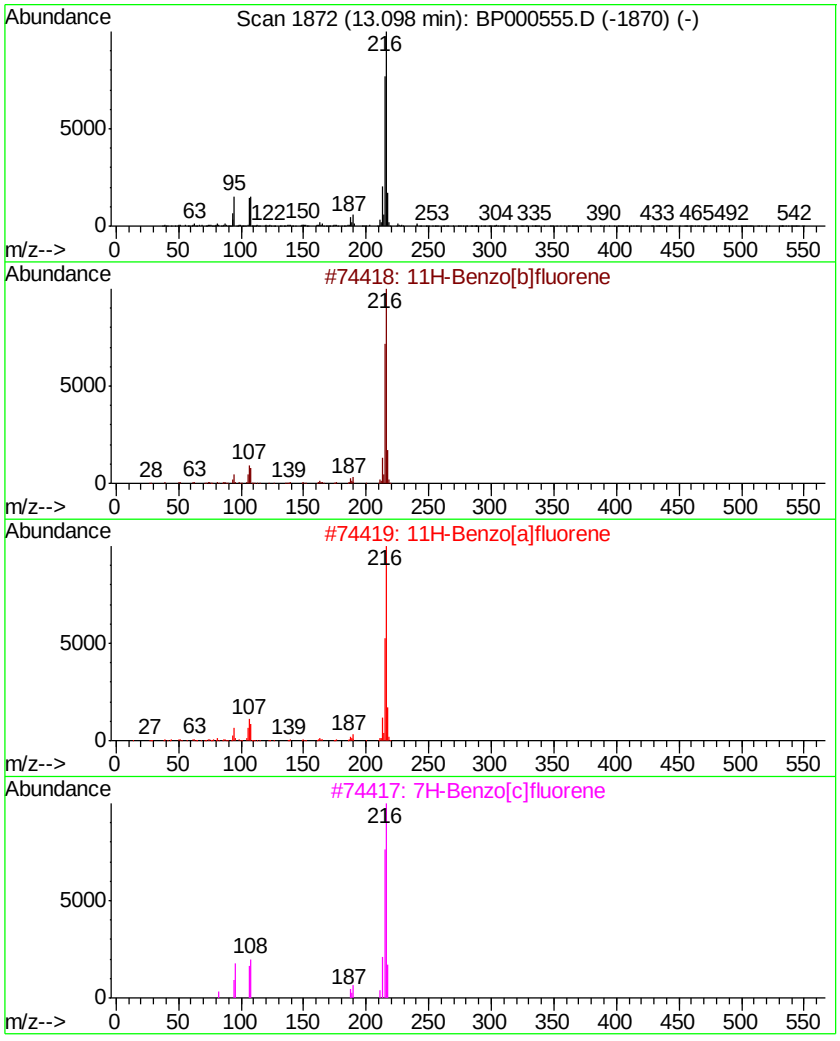
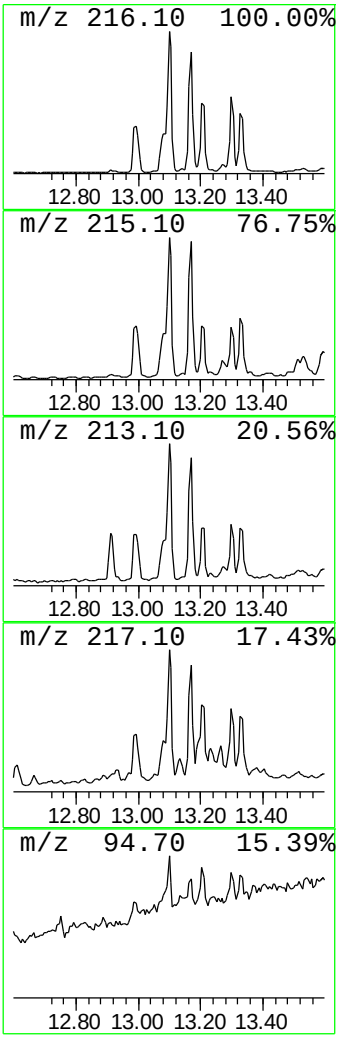
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.14 ng	628109	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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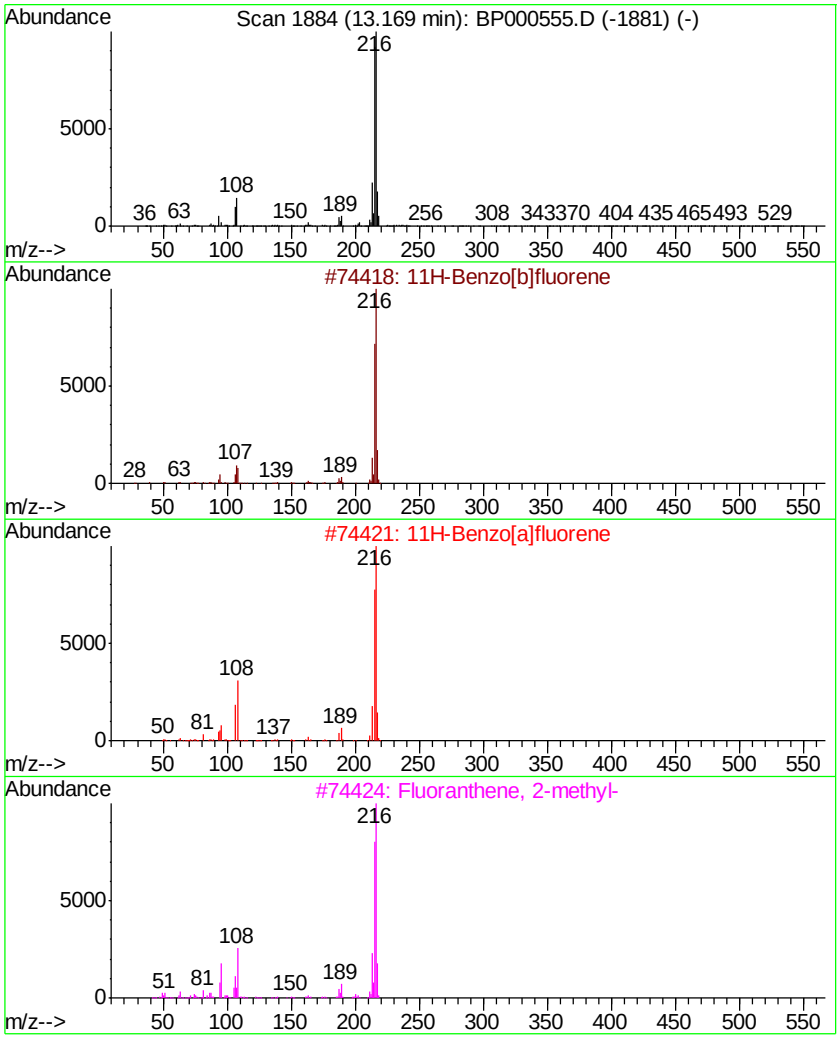
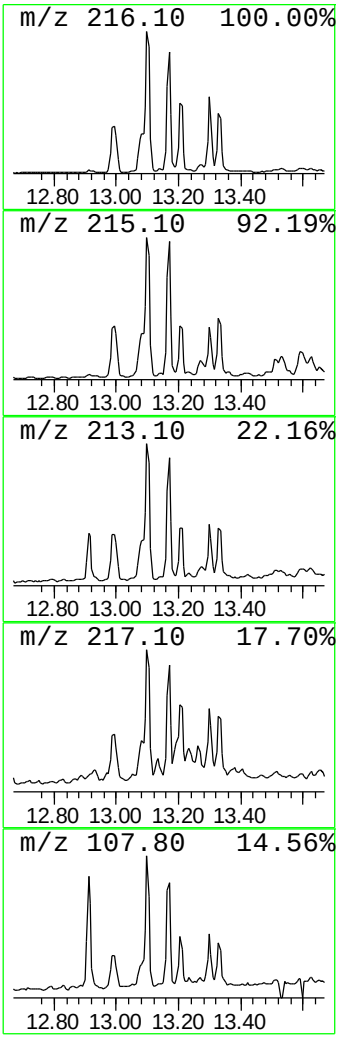
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.55 ng	509323	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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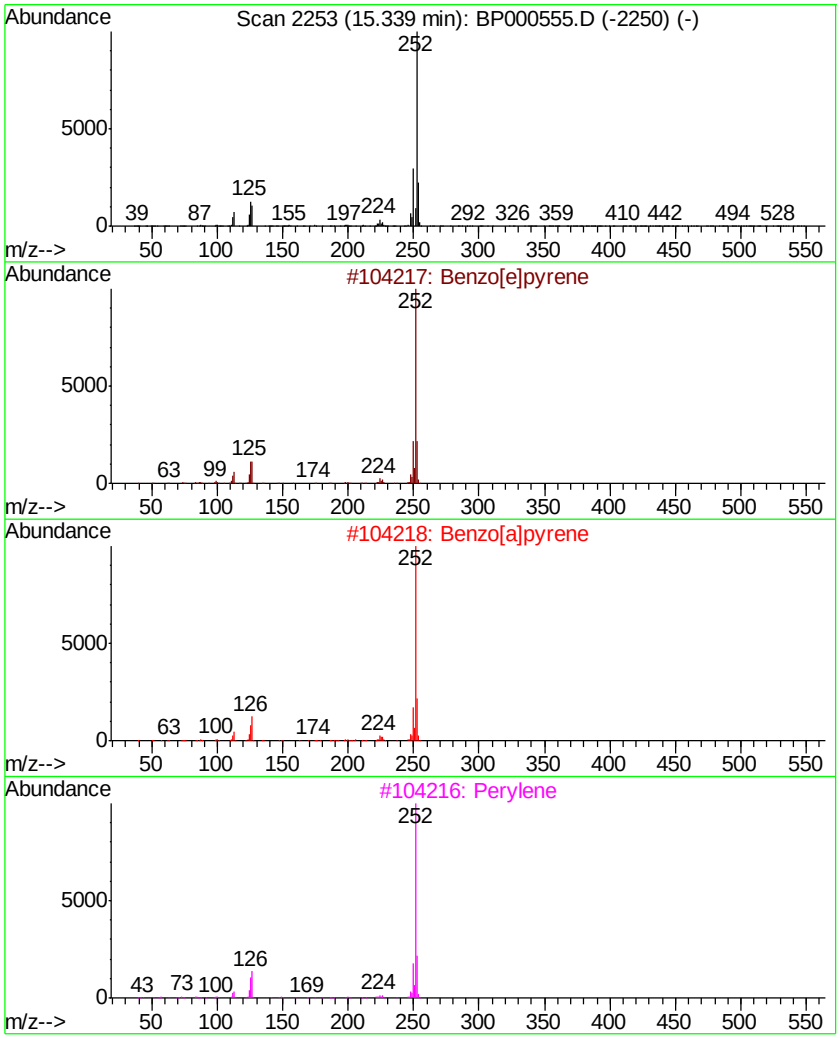
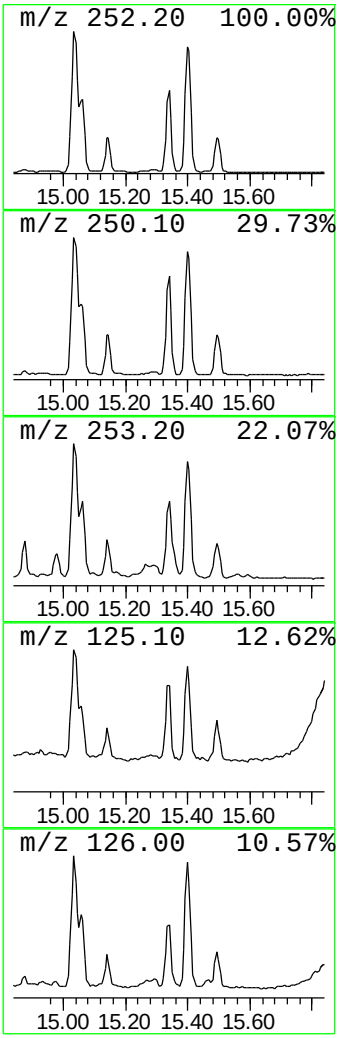
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	7.10 ng	803571	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP100719\
Data File : BP000555.D
Acq On : 07 Oct 2019 20:09
Operator : JU
Sample : K5146-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CL-01-100419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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
unknown6.53	6.53	33.0	ng	2493920	1	6.76	1509990	20.0
Naphthalene, 1,5-...	9.40	2.7	ng	343645	3	9.81	2510610	20.0
Naphthalene, 2,3-...	9.47	3.7	ng	468311	3	9.81	2510610	20.0
unknown10.02	10.02	2.5	ng	319698	3	9.81	2510610	20.0
9H-Fluorene, 2-me...	10.92	2.5	ng	327681	4	11.31	2595730	20.0
Naphtho[2,1-b]thi...	11.20	2.7	ng	348603	4	11.31	2595730	20.0
Anthracene, 2-met...	11.82	5.1	ng	666435	4	11.31	2595730	20.0
Phenanthrene, 2-m...	11.85	5.9	ng	768089	4	11.31	2595730	20.0
Anthracene, 9-met...	11.89	2.7	ng	346189	4	11.31	2595730	20.0
4H-Cyclopenta[def...	11.93	9.9	ng	1285340	4	11.31	2595730	20.0
1H-Cyclopropa[l]p...	11.95	3.2	ng	414784	4	11.31	2595730	20.0
Naphthalene, 2-ph...	12.12	2.5	ng	319319	4	11.31	2595730	20.0
Anthracene, 1,4-d...	12.37	4.2	ng	549524	4	11.31	2595730	20.0
Acephenanthrylene...	12.41	3.0	ng	387420	4	11.31	2595730	20.0
9,10-Dimethylanth...	12.46	2.5	ng	317676	4	11.31	2595730	20.0
11H-Benzo[b]fluorene	13.10	3.1	ng	628109	5	13.98	3998950	20.0
11H-Benzo[a]fluorene	13.17	2.5	ng	509323	5	13.98	3998950	20.0
Benzo[e]pyrene	15.34	7.1	ng	803571	6	15.47	2262600	20.0