LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096279.D
Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

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-BF062717.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	6.781	795	798	803	rBV	931976	879436	12.46%	0.695%
2	8.063	1012	1016	1018	rVV	1446135	1297653	18.39%	1.025%
3	8.086	1018	1020	1023	rVB	1132756	855757	12.13%	0.676%
4	8.622	1108	1111	1115	rVB3	489085	429709	6.09%	0.340%
5	8.669	1115	1119	1121	rBV2	577489	523796	7.42%	0.414%
6	8.780	1132	1138	1141	rVB	2612653	2388352	33.84%	1.887%
7	8.875	1150	1154	1158	rBV	2079732	1933500	27.40%	1.528%
8	9.233	1211	1215	1219	rVV2	890367	864402	12.25%	0.683%
9	9.333	1227	1232	1239	rVB	910130	1135103	16.08%	0.897%
10	9.410	1239	1245	1248	rBV	1395345	1976735	28.01%	1.562%
11	9.480	1252	1257	1259	rVV	2011177	2138274	30.30%	1.690%
12	9.504	1259	1261	1264	rVV	1528344	1198684	16.99%	0.947%
13	9.533	1264	1266	1268	rVV2	651351	548900	7.78%	0.434%
14	9.592	1274	1276	1282	rVB	981461	1086921	15.40%	0.859%
15	9.675	1285	1290	1296	rVV2	591016	661125	9.37%	0.522%
16	9.763	1302	1305	1309	rVV	571662	453001	6.42%	0.358%
17	9.816	1309	1314	1317	rVV3	1178108	1290506	18.29%	1.020%
18	9.851	1317	1320	1323	rVV2	1031268	1094973	15.52%	0.865%
19	9.922	1328	1332	1337	rBV	704929	924105	13.09%	0.730%
20	10.022	1345	1349	1352	rVB	1031254	1035580	14.67%	0.818%
21	10.063	1352	1356	1358	rBV	704287	672266	9.53%	0.531%
22	10.133	1364	1368	1371	rBV	571056	584497	8.28%	0.462%
23	10.163	1371	1373	1376	rVB	709227	507726	7.19%	0.401%
24	10.227	1379	1384	1385	rBV	431413	589217	8.35%	0.466%
25	10.363	1403	1407	1409	rVV2	1080740	956078	13.55%	0.755%
26	10.416	1413	1416	1417	rVV3	370792	441952	6.26%	0.349%
27	10.427	1417	1418	1420	rVV	613087	423921	6.01%	0.335%
28	10.451	1420	1422	1424	rVV3	548223	455032	6.45%	0.360%
29	10.474	1424	1426	1428	rVV2	506961	475673	6.74%	0.376%
30	10.598	1443	1447	1451	rVB4	358421	526211	7.46%	0.416%
31	10.727	1463	1469	1476	rVB4	688441	1085506	15.38%	0.858%
32	10.910	1494	1500	1502	rBV2	545300	776908	11.01%	0.614%
33	10.939	1502	1505	1508	rVV2	609133	644467	9.13%	0.509%
34	10.992	1511	1514	1517	rVB3	452530	455565	6.46%	0.360%

LSC Area Percent Report

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Data File : BF096279.D
Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

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-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.098	1529	1532	1537	rVB3	396977	462553	6.55%	0.365%
36	11.157	1537	1542	1544	rBV2	404752	547148	7.75%	0.432%
37	11.192	1544	1548	1551	rVV2	717326	657025	9.31%	0.519%
38	11.298	1562	1566	1567	rBV	802665	775581	10.99%	0.613%
39	11.333	1567	1572	1574	rVV	5428243	6432402	91.15%	5.083%
40	11.374	1574	1579	1582	rVB	2271513	2035614	28.84%	1.608%
41	11.521	1598	1604	1608	rBV2	409348	539938	7.65%	0.427%
42	11.627	1619	1622	1625	rVB	1003652	869491	12.32%	0.687%
43	11.710	1633	1636	1640	rVB	600596	667574	9.46%	0.528%
44	11.804	1648	1652	1654	rVV	2970605	3042802	43.12%	2.404%
45	11.833	1654	1657	1660	rVV	3504933	3246066	46.00%	2.565%
46	11.880	1660	1665	1667	rVV	1400138	1384771	19.62%	1.094%
47	11.916	1667	1671	1673	rVV	3480542	4049852	57.39%	3.200%
48	11.939	1673	1675	1678	rVV	2758366	2342123	33.19%	1.851%
49	11.998	1679	1685	1689	rVV5	242149	469417	6.65%	0.371%
50	12.098	1696	1702	1704	rVV2	1248890	1656591	23.47%	1.309%
51	12.116	1704	1705	1712	rVB3	918096	993888	14.08%	0.785%
52	12.168	1712	1714	1717	rBV	563123	526153	7.46%	0.416%
53	12.245	1725	1727	1730	rVV	1220946	1146316	16.24%	0.906%
54	12.274	1730	1732	1734	rVV	878307	894635	12.68%	0.707%
55	12.298	1734	1736	1739	rVB2	772012	709975	10.06%	0.561%
56	12.357	1739	1746	1748	rBV	2190017	2862428	40.56%	2.262%
57	12.392	1748	1752	1754	rVV2	1627079	2363559	33.49%	1.868%
58	12.439	1757	1760	1765	rVV3	1271958	2003055	28.38%	1.583%
59	12.515	1769	1773	1776	rVV	3851959	4363160	61.83%	3.448%
60	12.574	1781	1783	1791	rVV3	656556	909211	12.88%	0.718%
61	12.645	1791	1795	1796	rVV2	500962	517007	7.33%	0.409%
62	12.698	1802	1804	1807	rVV	517911	493661	7.00%	0.390%
63	12.751	1807	1813	1817	rVV3	4318387	7057081	100.00%	5.576%
64	12.798	1817	1821	1825	rVB2	677511	1030971	14.61%	0.815%
65	12.857	1828	1831	1833	rVV	494108	496678	7.04%	0.392%
66	12.898	1836	1838	1842	rVB2	537738	640301	9.07%	0.506%
67	12.957	1842	1848	1851	rBV2	1216515	1740337	24.66%	1.375%
68	13.015	1855	1858	1860	rBV3	417598	445963	6.32%	0.352%
69	13.045	1860	1863	1864	rVV3	900962	997736	14.14%	0.788%
70	13.068	1864	1867	1870	rVB	1851368	1890135	26.78%	1.494%
71	13.133	1875	1878	1881	rVV	1293972	1372310	19.45%	1.084%

LSC Area Percent Report

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Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.174	1881	1885	1887	rVV	1690941	1860970	26.37%	1.470%
73	13.198	1887	1889	1892	rVV3	552099	738725	10.47%	0.584%
74	13.268	1897	1901	1903	rVV	1282759	1407162	19.94%	1.112%
75	13.298	1903	1906	1909	rVV	1386614	1343546	19.04%	1.062%
76	13.374	1915	1919	1923	rVB7	319718	496754	7.04%	0.393%
77	13.468	1932	1935	1937	rVV3	433181	564616	8.00%	0.446%
78	13.492	1937	1939	1941	rVV	535410	549406	7.79%	0.434%
79	13.574	1946	1953	1958	rVV2	707251	1590131	22.53%	1.256%
80	13.680	1967	1971	1974	rBV3	859603	1293865	18.33%	1.022%
81	13.710	1974	1976	1979	rVV	802557	792435	11.23%	0.626%
82	13.780	1985	1988	1992	rVB	443730	543810	7.71%	0.430%
83	13.927	2007	2013	2016	rBV2	2801714	4351845	61.67%	3.439%
84	13.968	2016	2020	2027	rVB	2919824	3571427	50.61%	2.822%
85	14.286	2071	2074	2076	rBV	450829	528812	7.49%	0.418%
86	14.321	2076	2080	2083	rVV	1507661	1824852	25.86%	1.442%
87	14.357	2083	2086	2088	rVV	1008178	948151	13.44%	0.749%
88	14.392	2089	2092	2094	rVV2	476900	645625	9.15%	0.510%
89	14.415	2094	2096	2098	rVV	603987	535177	7.58%	0.423%
90	14.445	2098	2101	2103	rVV	681013	656999	9.31%	0.519%
91	14.468	2103	2105	2108	rVB2	507377	422595	5.99%	0.334%
92	14.515	2108	2113	2116	rVB2	366199	537842	7.62%	0.425%
93	14.862	2169	2172	2181	rVB5	260634	437158	6.19%	0.345%
94	14.957	2183	2188	2195	rBV	1125398	2155275	30.54%	1.703%
95	15.245	2233	2237	2242	rVB	820283	992308	14.06%	0.784%
96	15.304	2242	2247	2252	rVB	1136442	1384292	19.62%	1.094%
97	15.362	2253	2257	2260	rBV	496599	619971	8.79%	0.490%
98	15.392	2260	2262	2269	rVB2	279024	449119	6.36%	0.355%
99	16.756	2489	2494	2502	rVB2	354173	705349	9.99%	0.557%
100	17.180	2561	2566	2577	rVB	326712	660803	9.36%	0.522%

Sum of corrected areas: 126554059

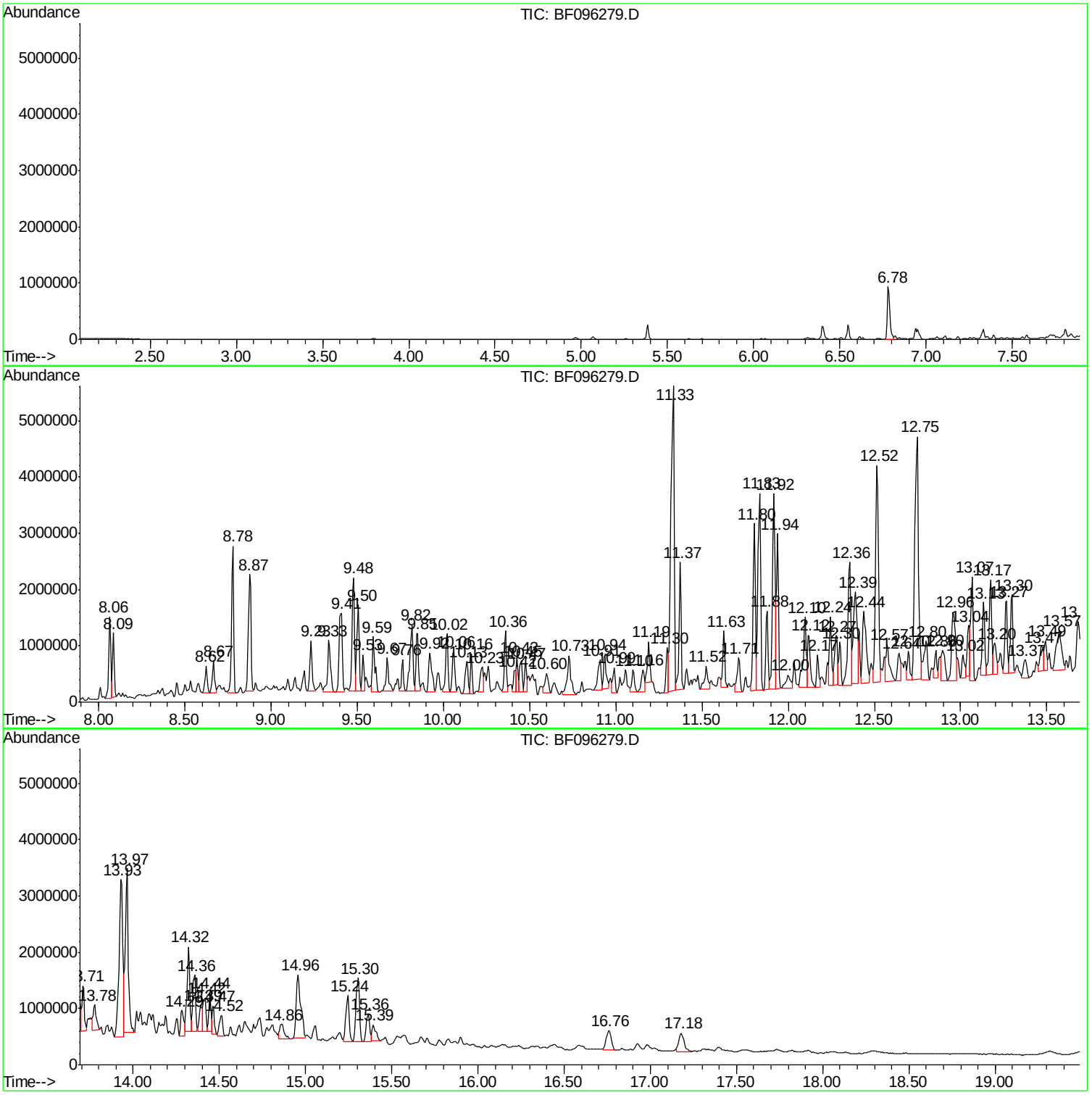
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096279.D
Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
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Acq On : 29 Jun 2017 5:59
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Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

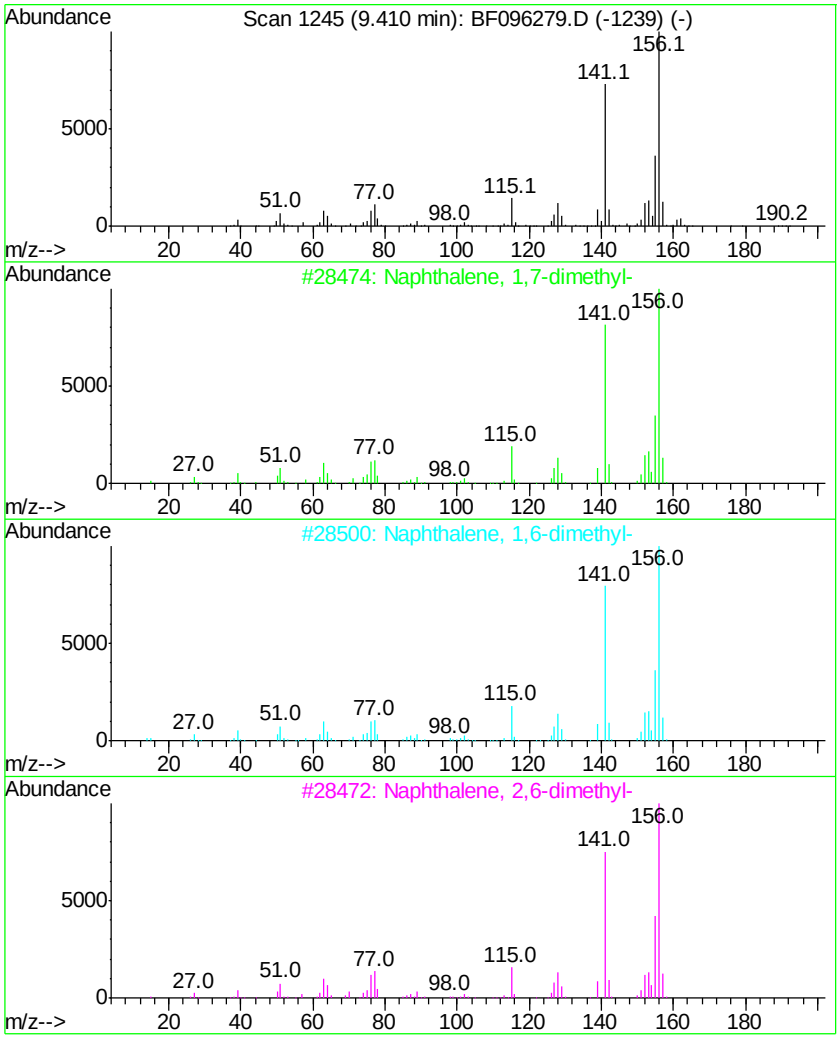
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

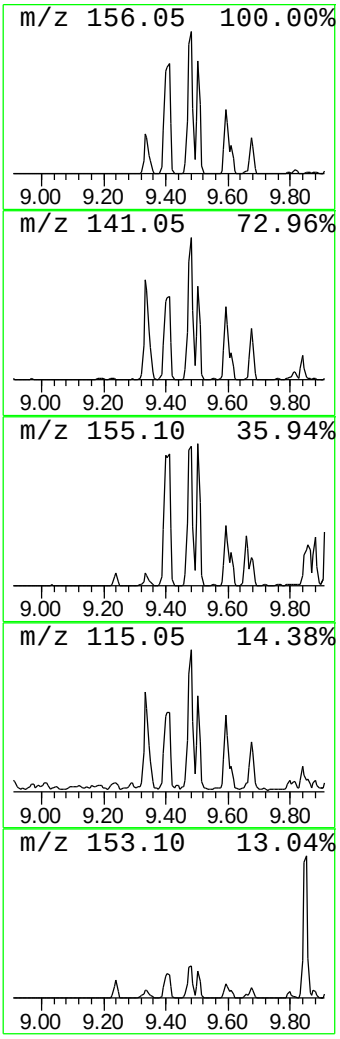
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	30.64 ng	1976740	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096279.D
Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

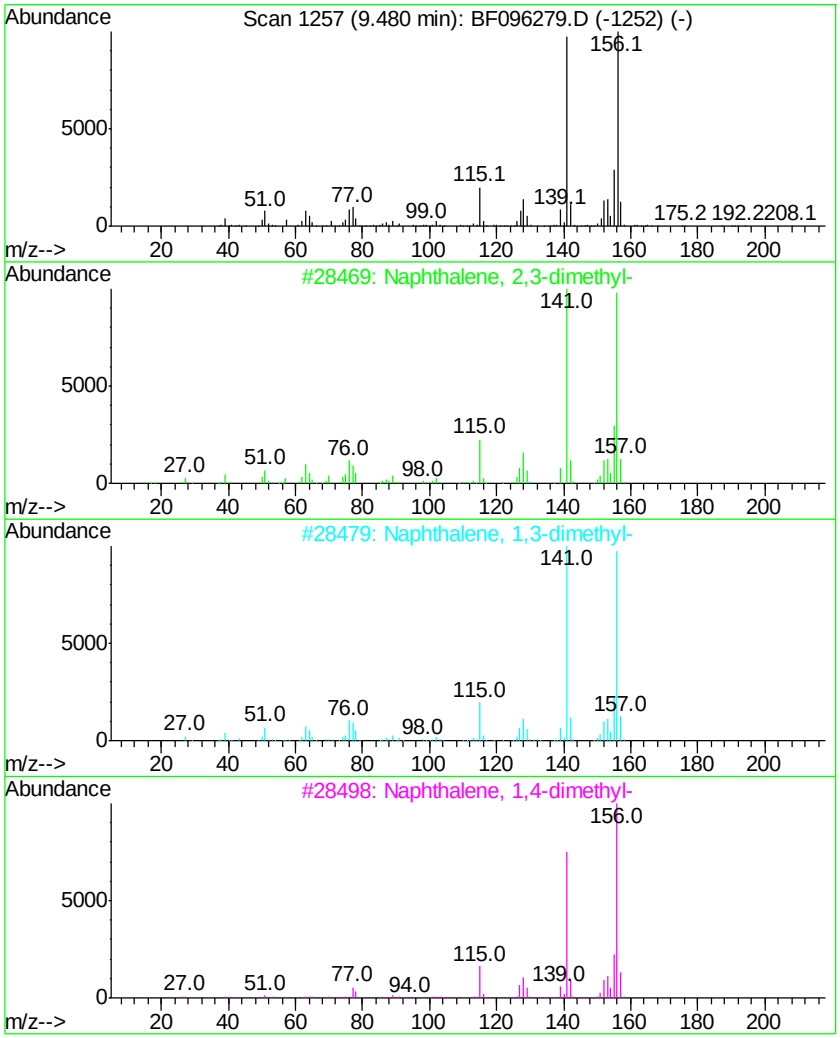
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

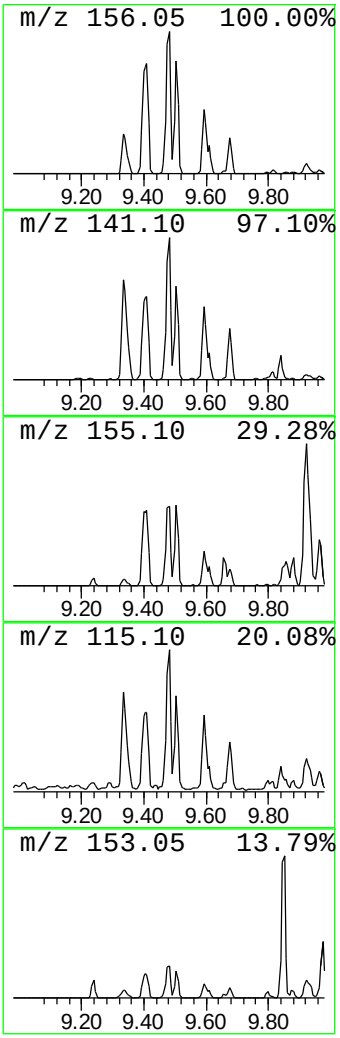
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	33.14 ng	2138270	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
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Sample : I3928-02 20X
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Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
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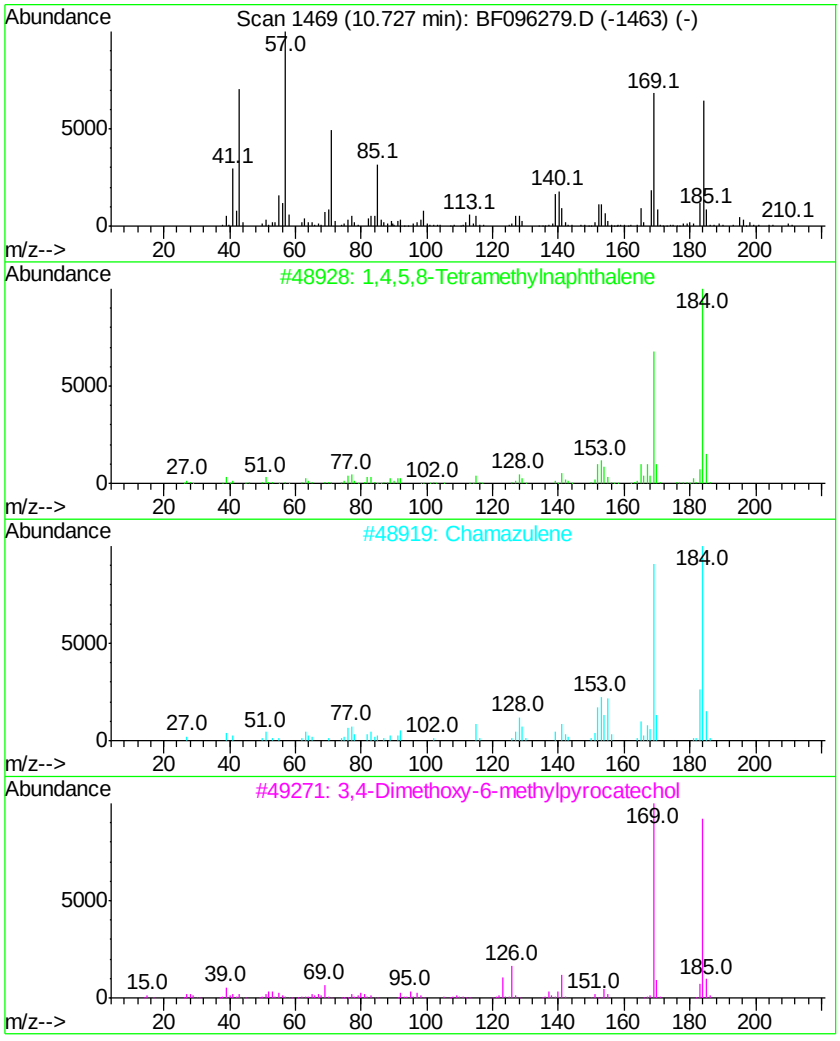
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

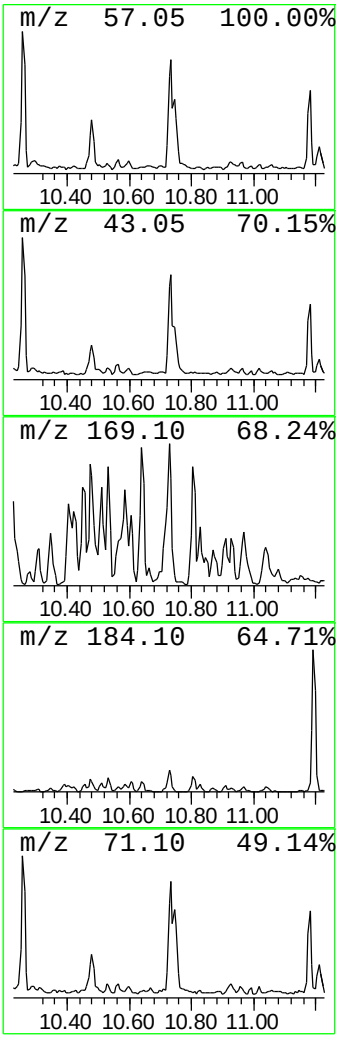
****

Peak Number 4 1,4,5,8-Tetramethylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	27.99 ng	1085510	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	86
2	Chamazulene	184	C14H16	000529-05-5	60
3	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	46
4	Tetradecane	198	C14H30	000629-59-4	43
5	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
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Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

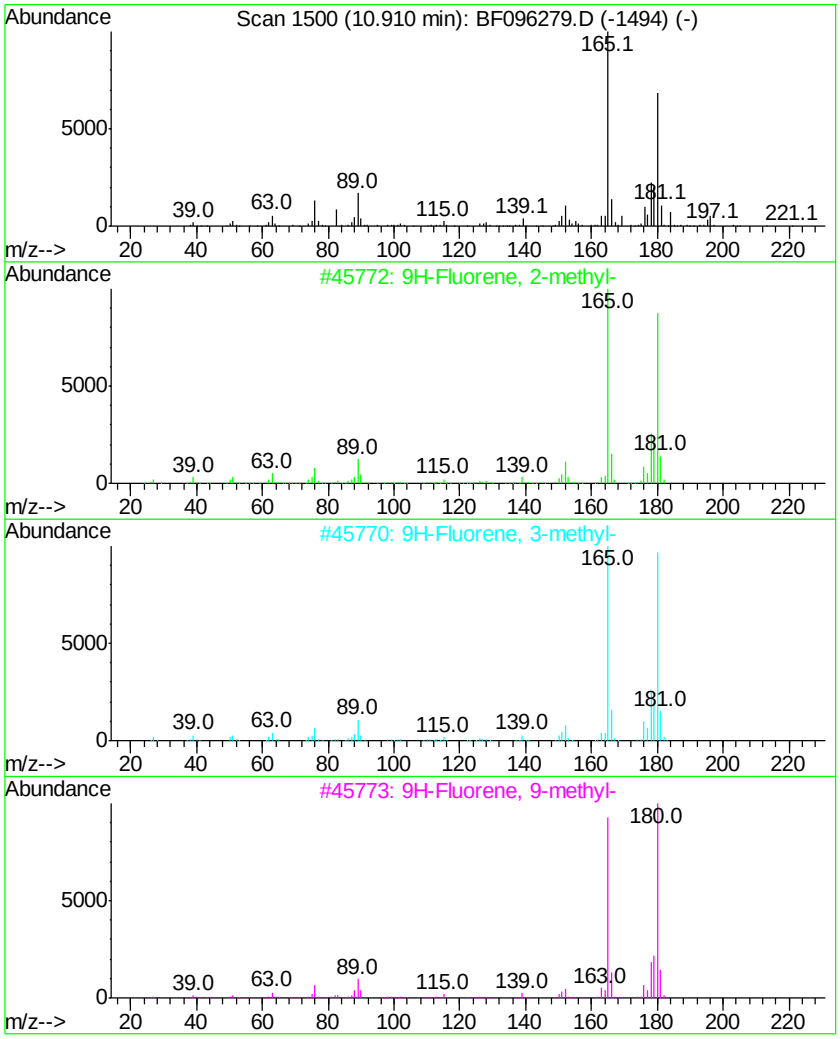
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

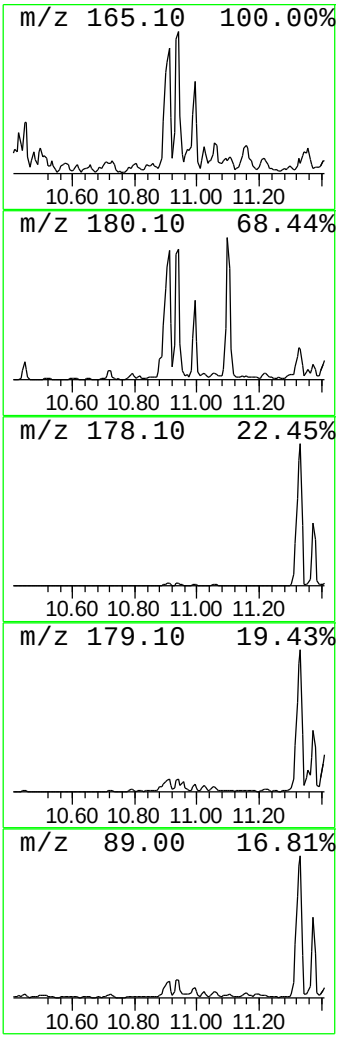
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	20.03 ng	776908	Phenanthrene-d10	11.30

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	94
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096279.D
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Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

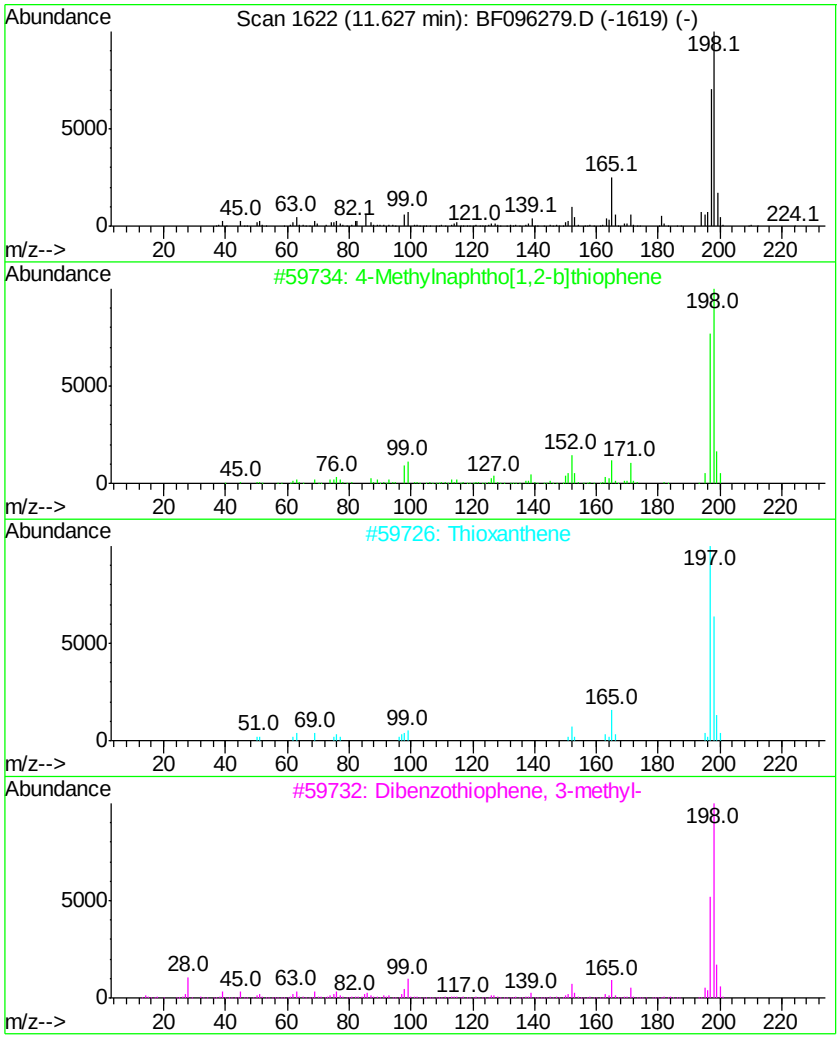
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

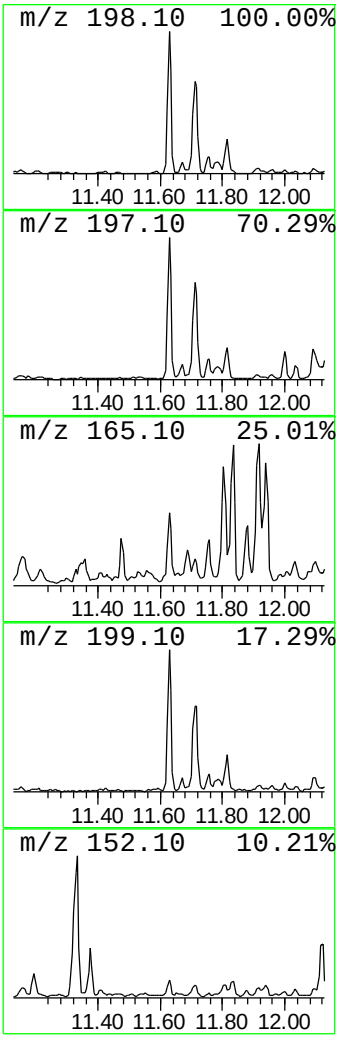
****

Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	22.42 ng	869491	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	Thioxanthene	198	C13H10S	000261-31-4	92
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74





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Data File : BF096279.D
Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

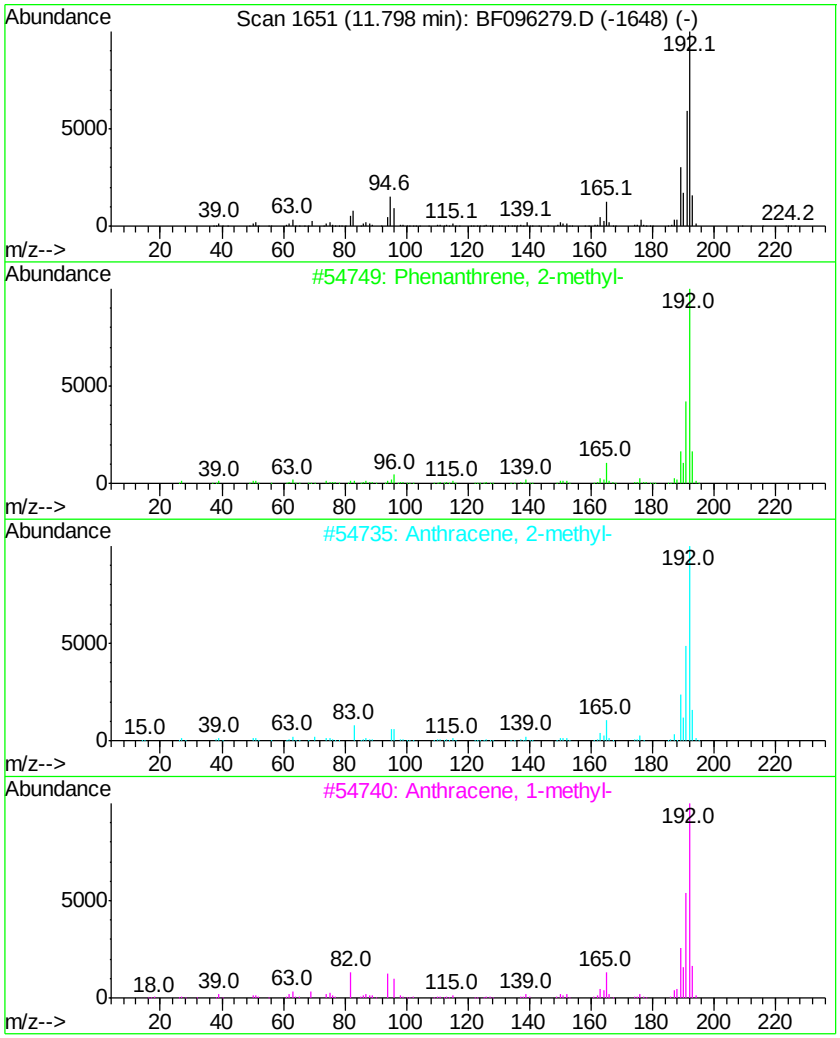
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

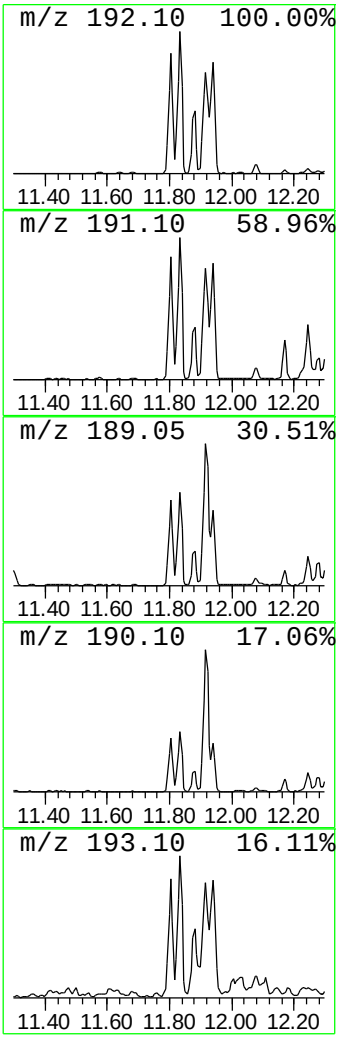
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	78.47 ng	3042800	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

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Sample : I3928-02 20X
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Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

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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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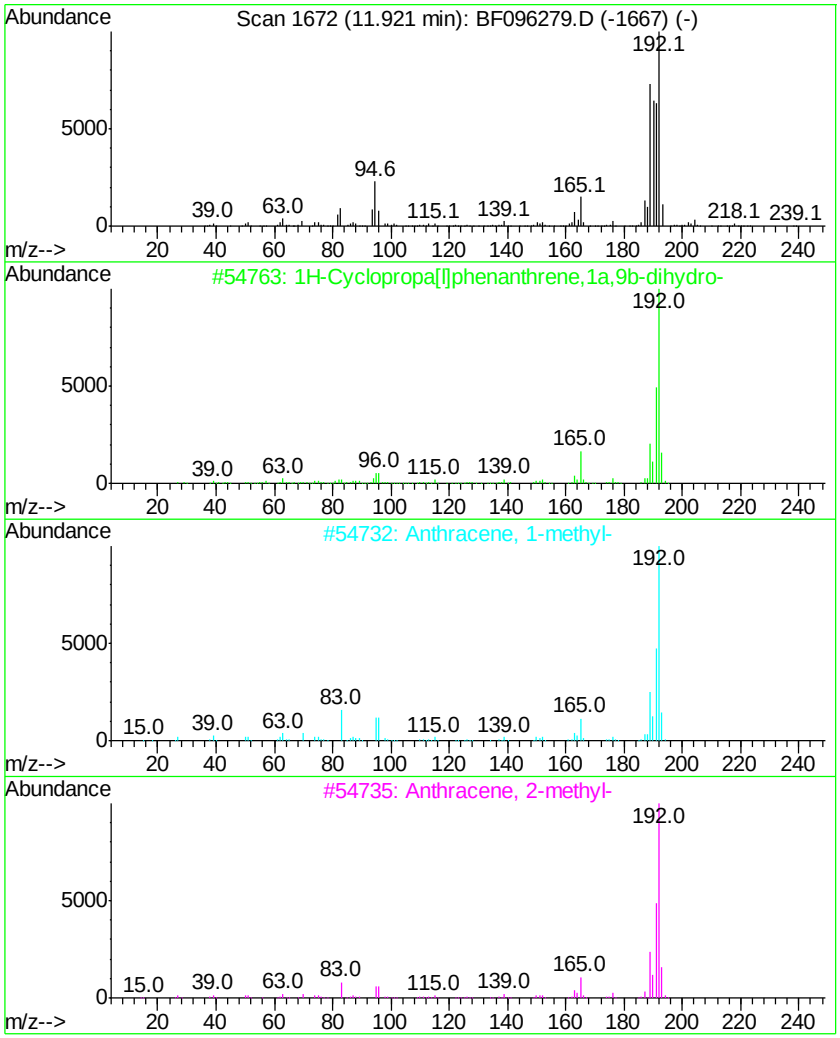
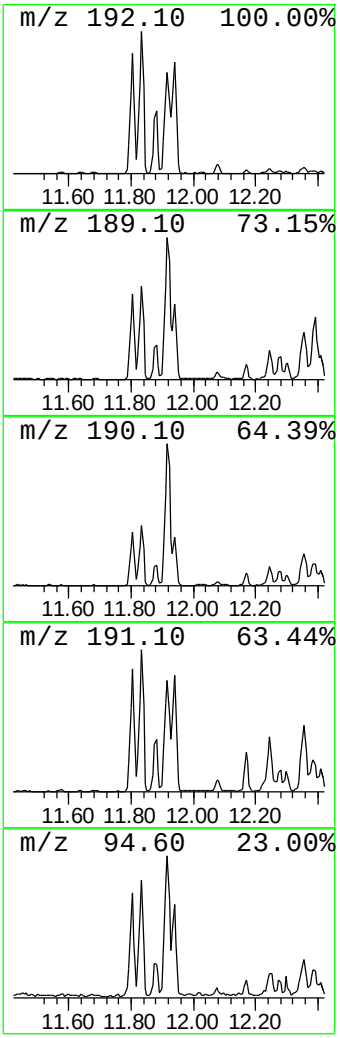
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	104.43 ng	4049850	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	49





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Sample : I3928-02 20X
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

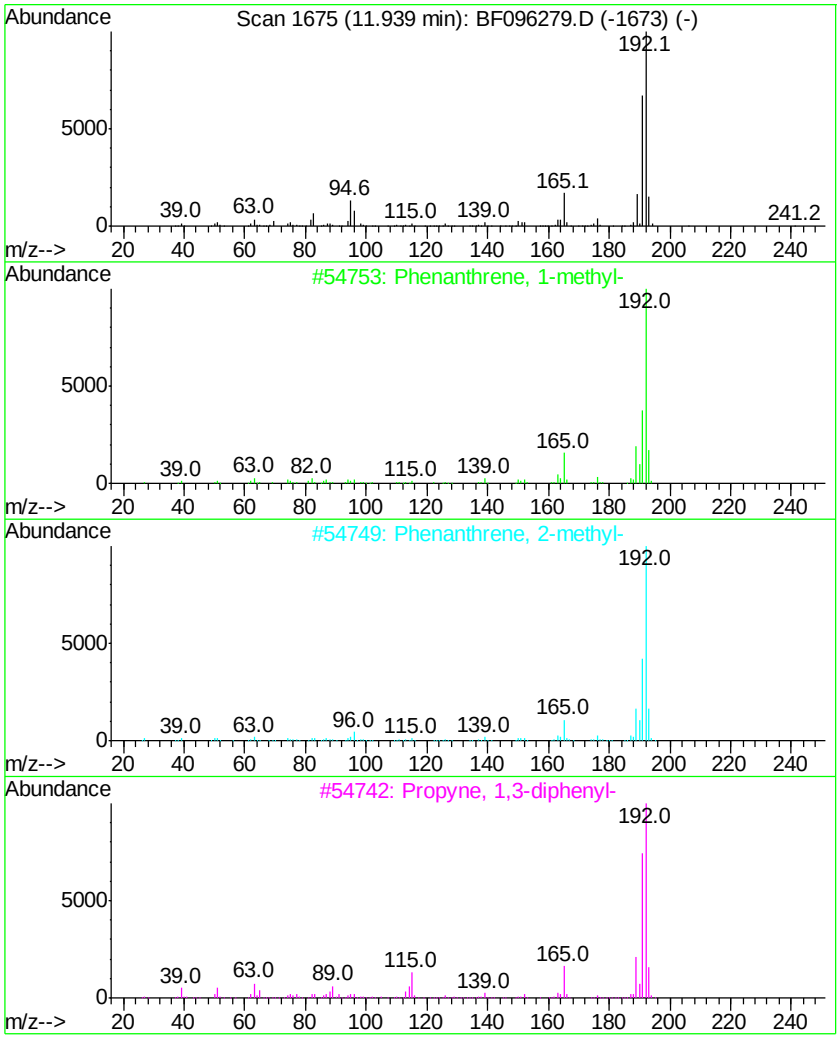
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

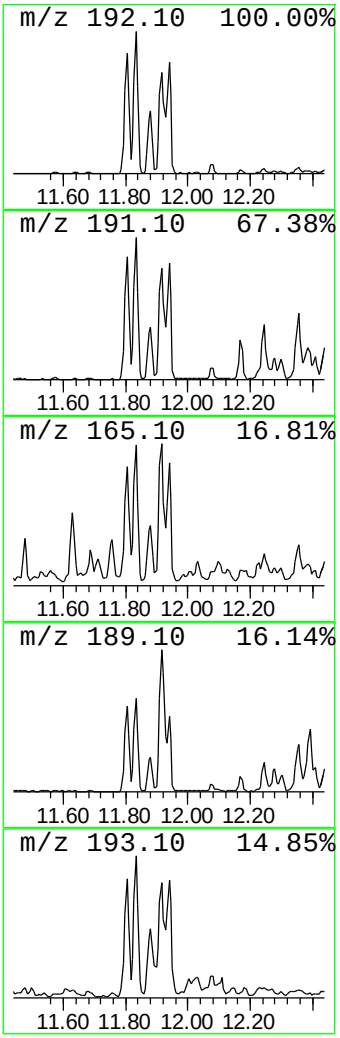
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	60.40 ng	2342120	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86





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Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

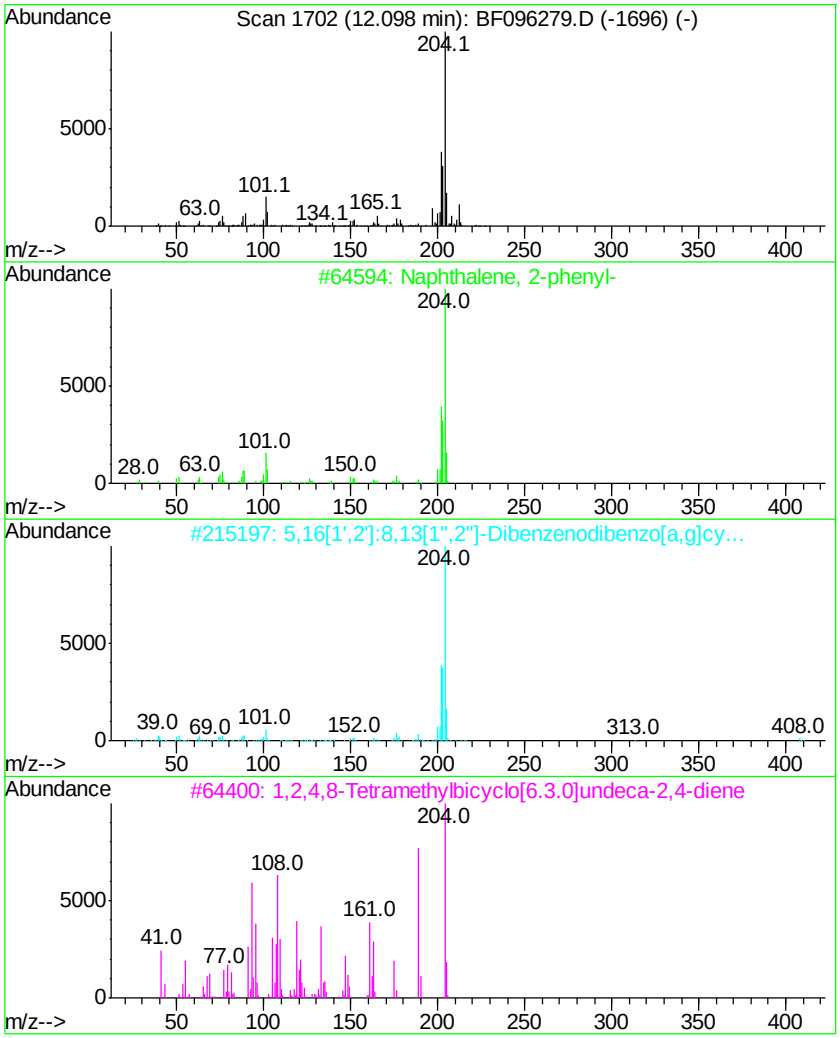
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

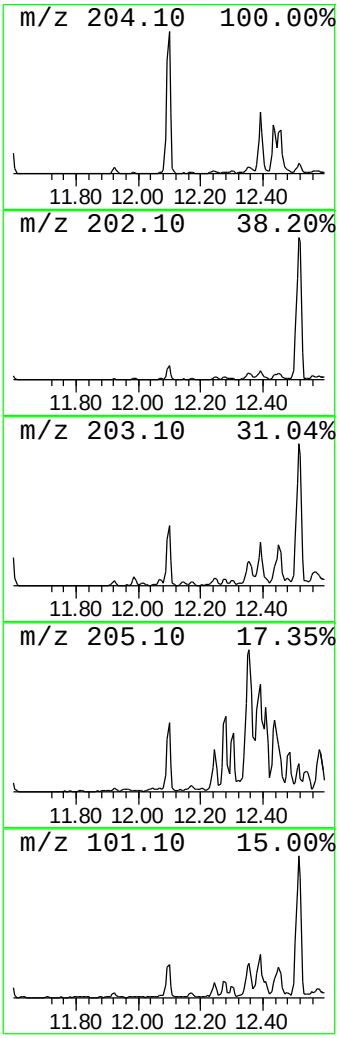
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	42.72 ng	1656590	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Library Search Compound Report

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Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

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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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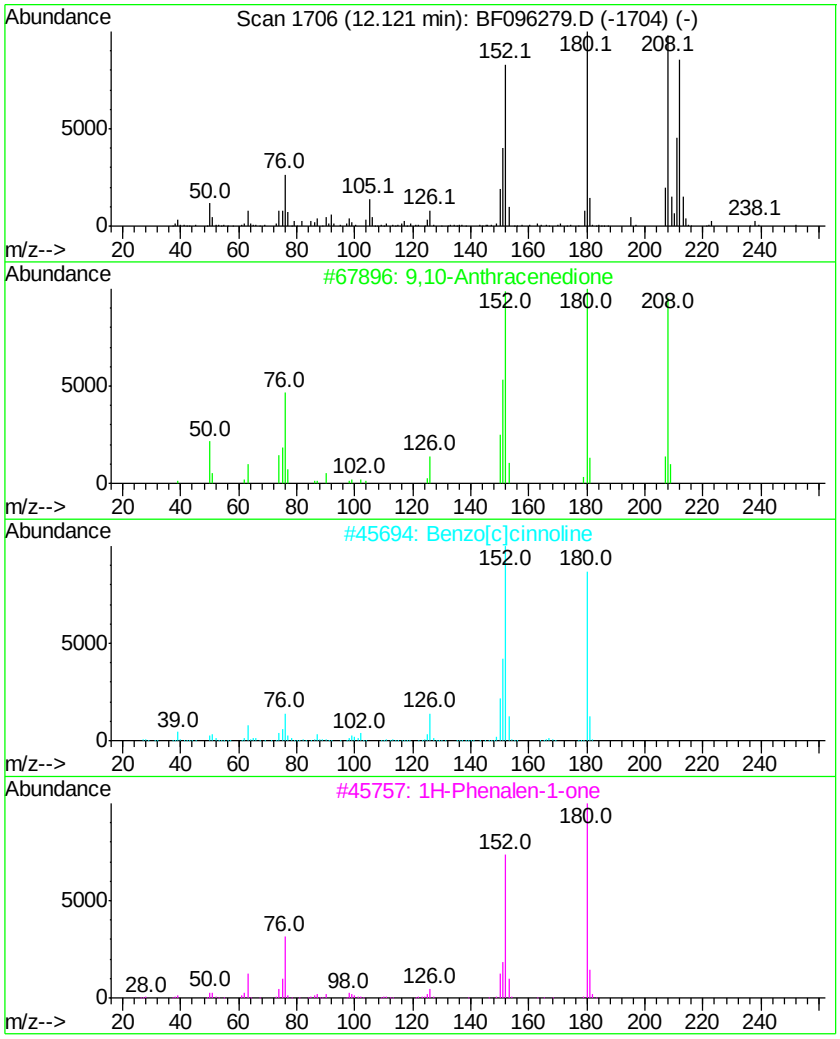
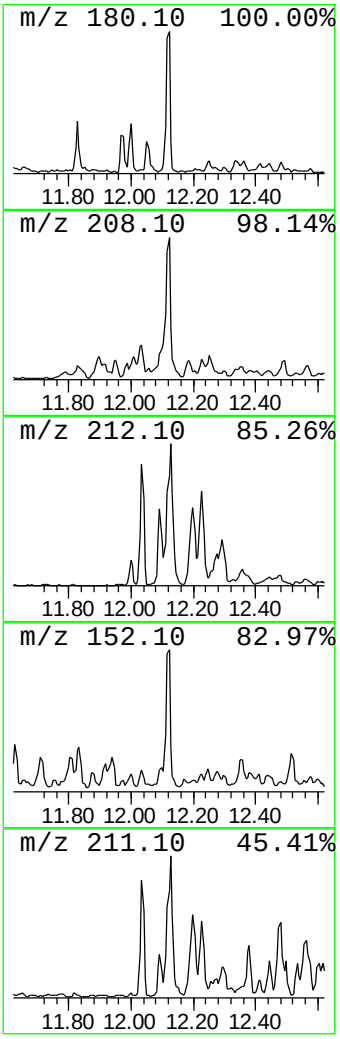
Peak Number 13 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	25.63 ng	993888	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38





Library Search Compound Report

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Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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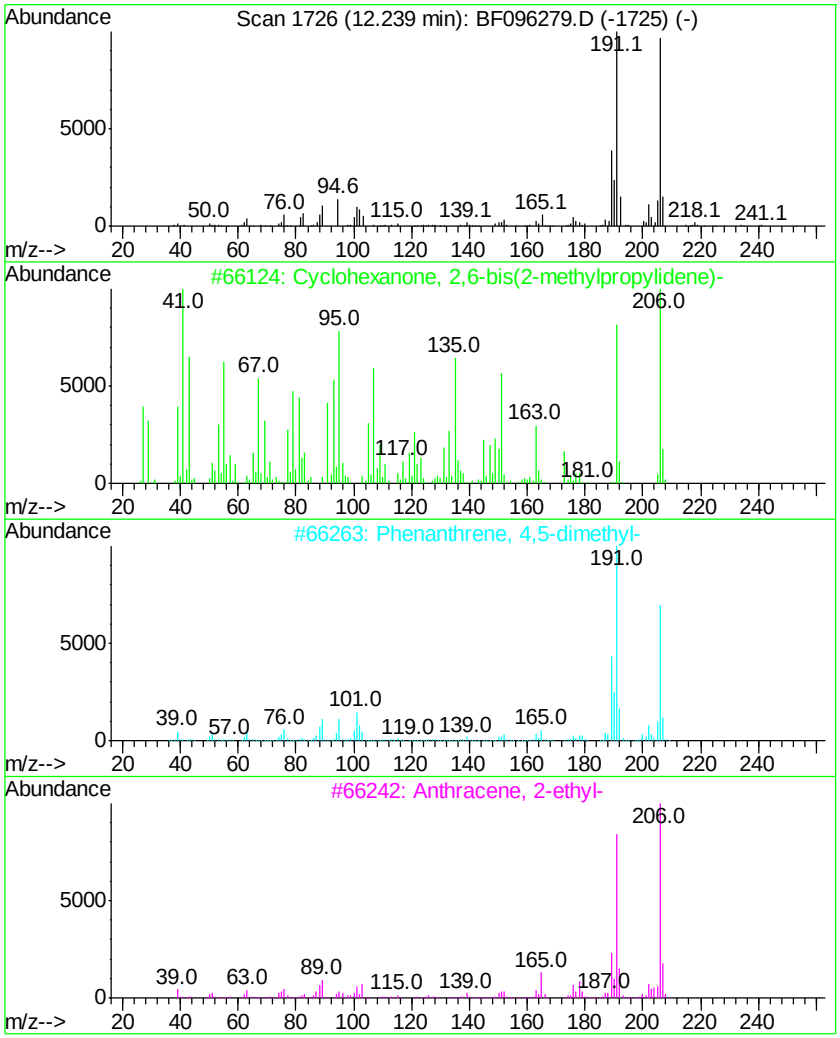
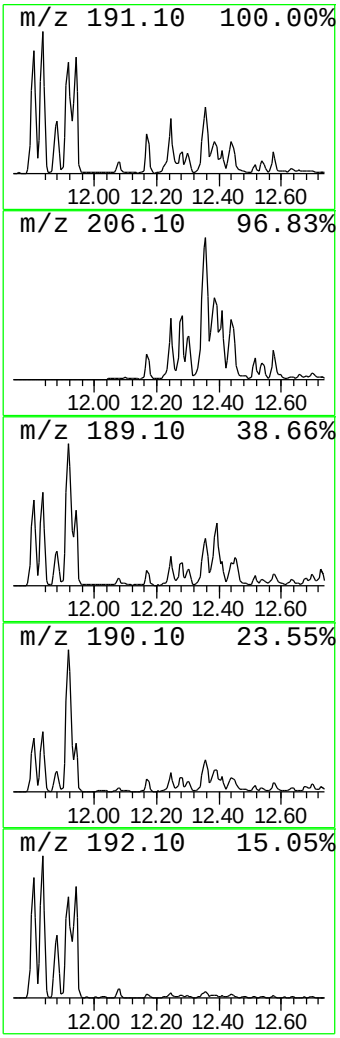
Peak Number 14 Cyclohexanone, 2,6-bis(2-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	29.56 ng	1146320	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,6-bis(2-methylp...	206	C14H22O	092368-82-6	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	81





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Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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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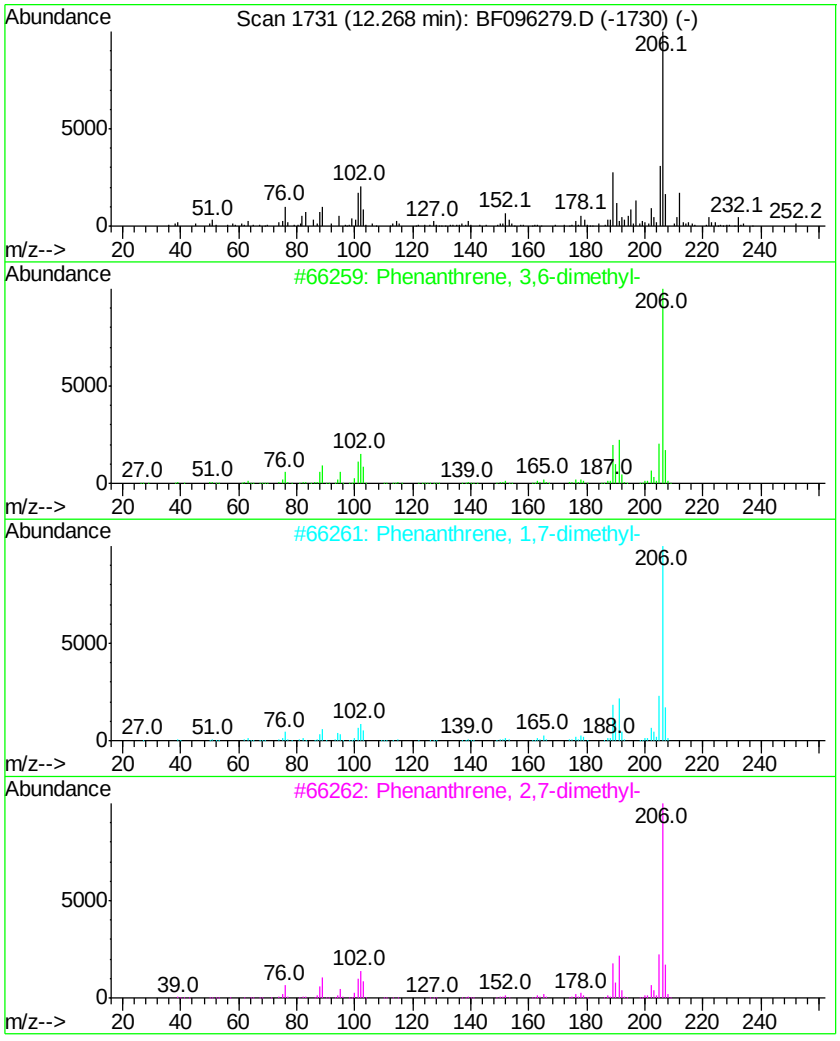
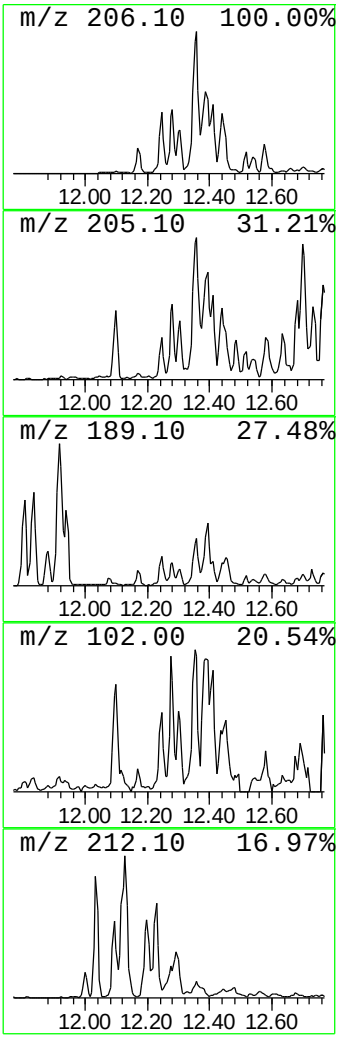
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	23.07 ng	894635	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	95
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Misc :
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Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

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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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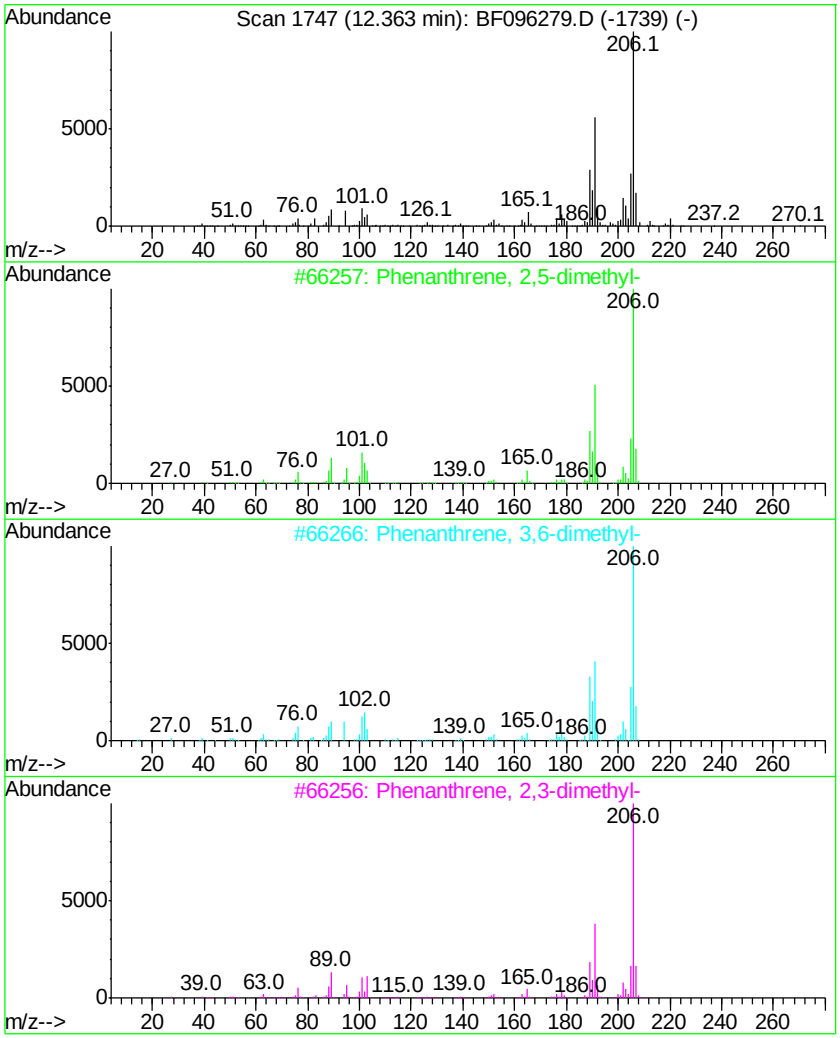
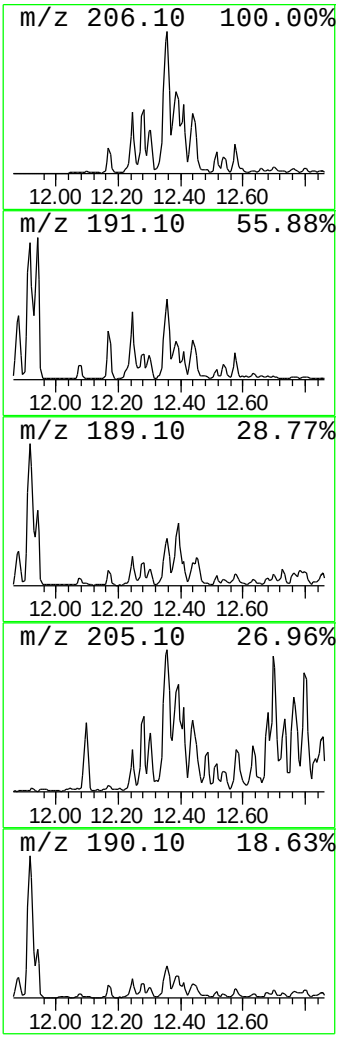
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	73.81 ng	2862430	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93





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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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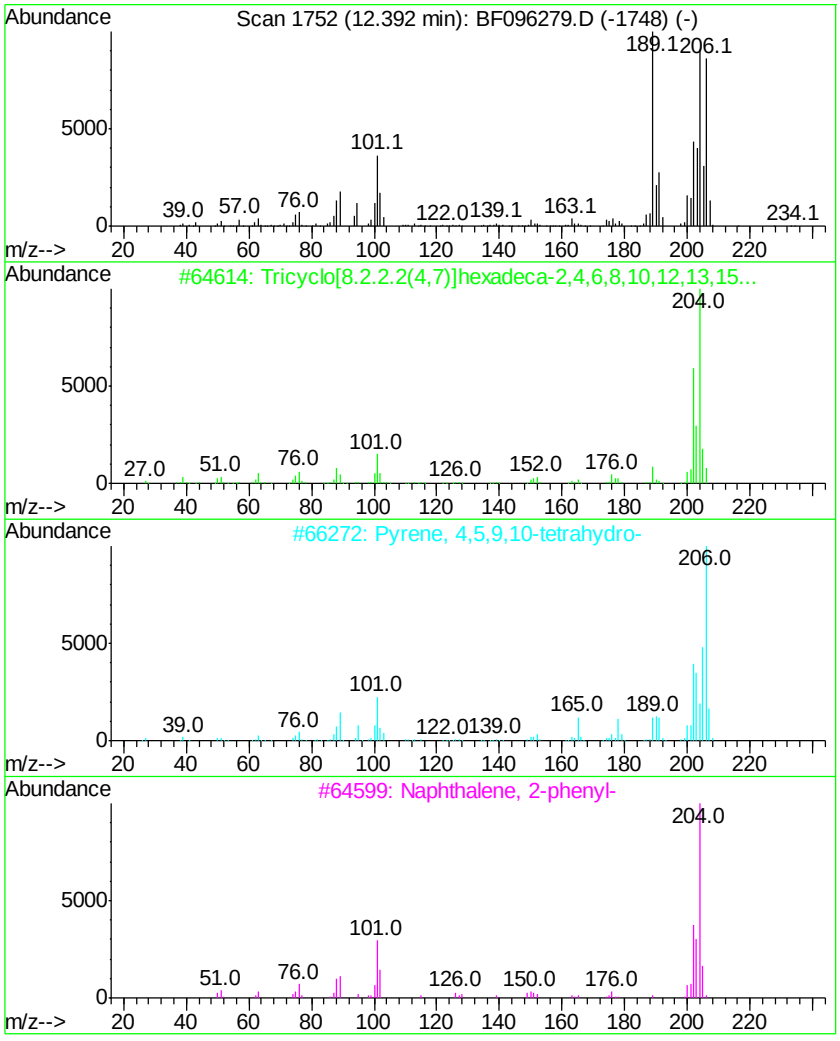
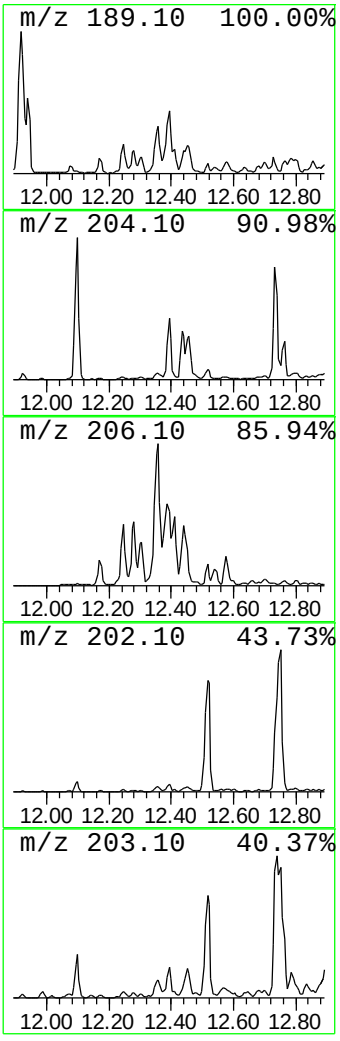
Peak Number 17 unknown12.39 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	60.95 ng	2363560	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	204	C5H5BrN2O2	015018-56-1	27





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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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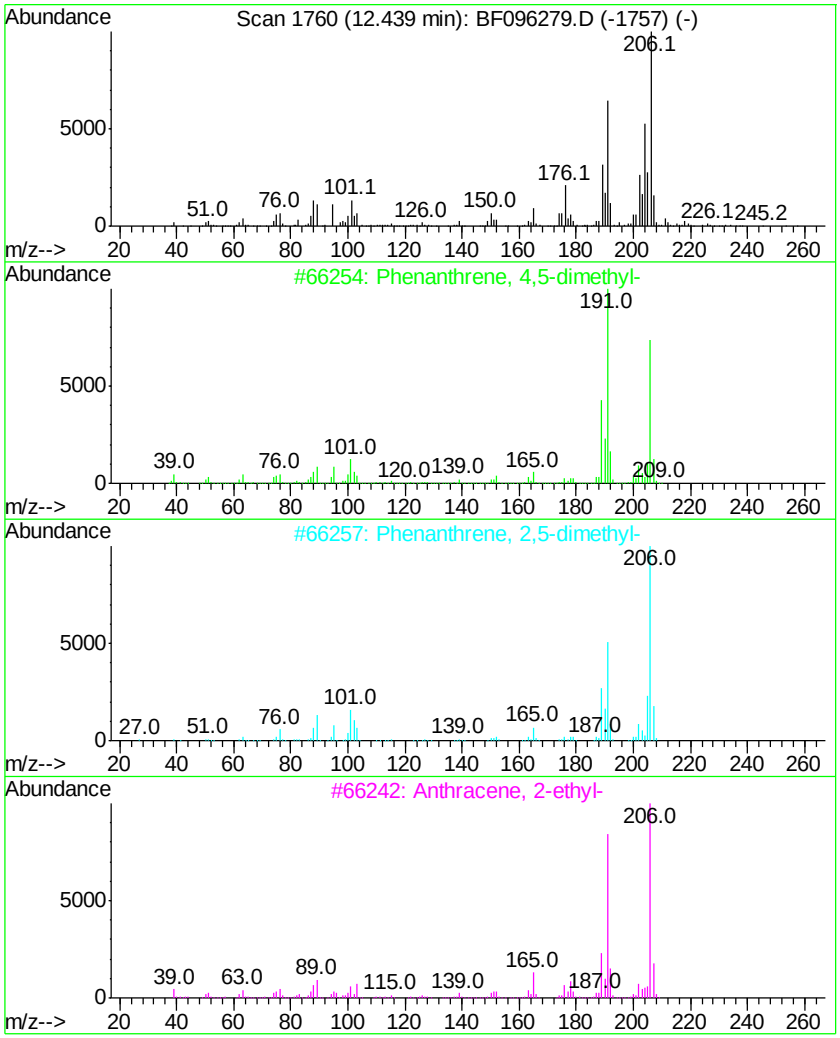
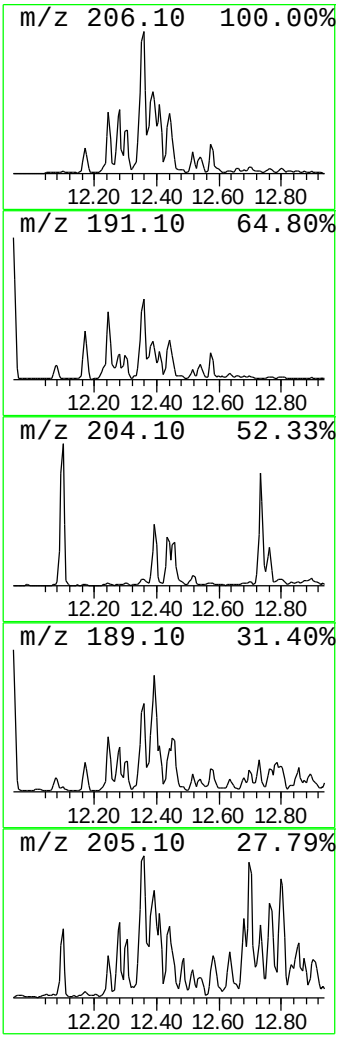
Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	51.65 ng	2003060	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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TIC Integration Parameters: LSCINT.P

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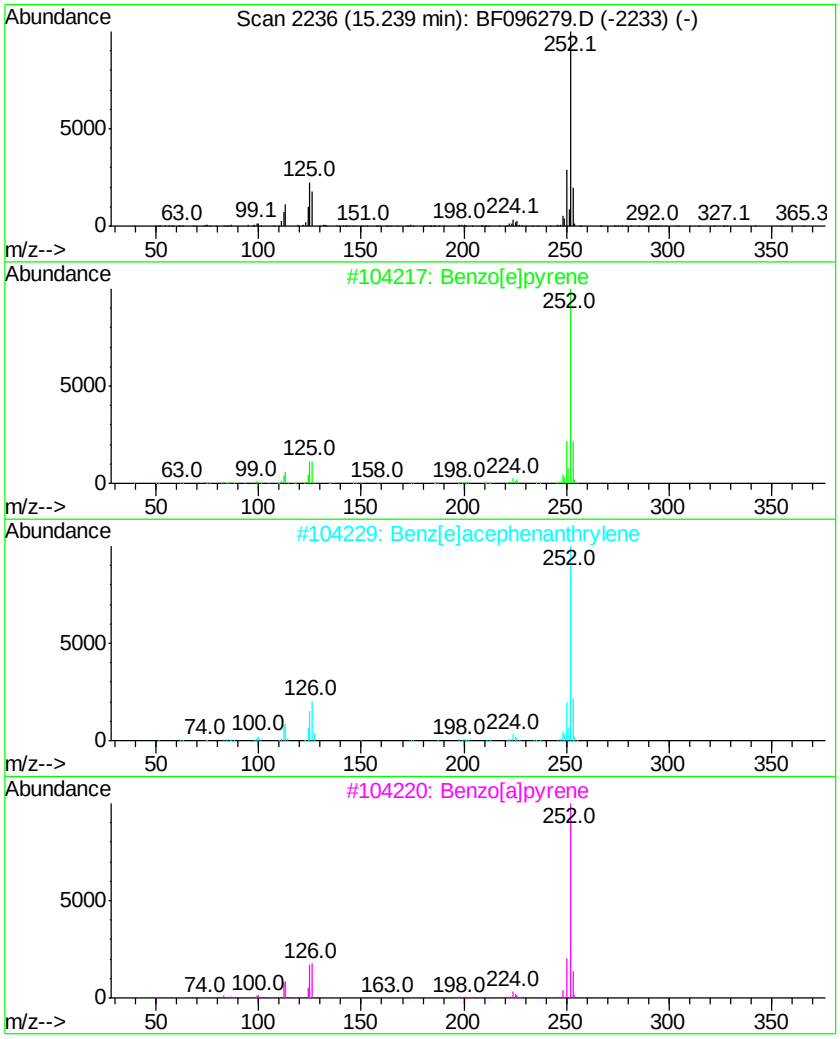
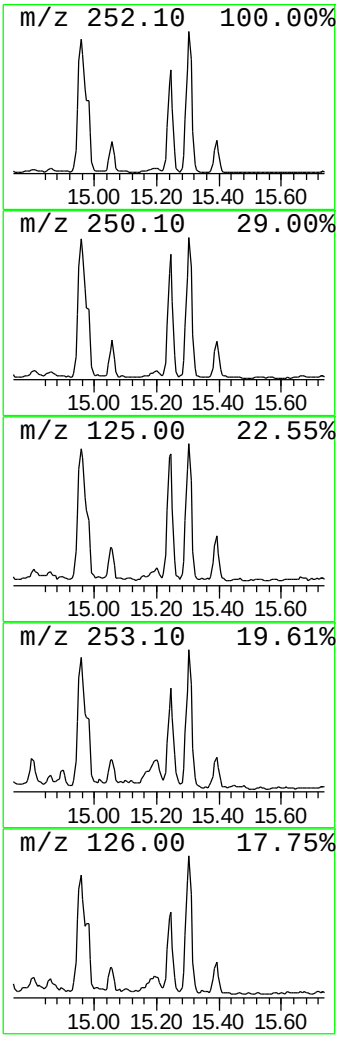
Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	32.01 ng	992308	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

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Data File : BF096279.D
Acq On : 29 Jun 2017 5:59
Operator : SJ/MA
Sample : I3928-02 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q7-BASE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.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
Naphthalene, 1,7-...	9.41	30.6	ng	1976740	3	9.82	1290510	20.0
Naphthalene, 2,3-...	9.48	33.1	ng	2138270	3	9.82	1290510	20.0
1,4,5,8-Tetrameth...	10.73	28.0	ng	1085510	4	11.30	775581	20.0
9H-Fluorene, 2-me...	10.91	20.0	ng	776908	4	11.30	775581	20.0
4-Methylnaphtho[1...	11.63	22.4	ng	869491	4	11.30	775581	20.0
Phenanthrene, 2-m...	11.80	78.5	ng	3042800	4	11.30	775581	20.0
1H-Cyclopropa[l]p...	11.92	104.4	ng	4049850	4	11.30	775581	20.0
Phenanthrene, 1-m...	11.94	60.4	ng	2342120	4	11.30	775581	20.0
Naphthalene, 2-ph...	12.10	42.7	ng	1656590	4	11.30	775581	20.0
9,10-Anthracenedione	12.12	25.6	ng	993888	4	11.30	775581	20.0
Cyclohexanone, 2,...	12.24	29.6	ng	1146320	4	11.30	775581	20.0
Phenanthrene, 3,6...	12.27	23.1	ng	894635	4	11.30	775581	20.0
Phenanthrene, 2,5...	12.36	73.8	ng	2862430	4	11.30	775581	20.0
unknown12.39	12.39	61.0	ng	2363560	4	11.30	775581	20.0
Phenanthrene, 4,5...	12.44	51.6	ng	2003060	4	11.30	775581	20.0
Benzo[e]pyrene	15.24	32.0	ng	992308	6	15.36	619971	20.0