LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

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-BF022218.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	5.104	509	513	525	rBV	48922	105690	2.88%	0.159%
2	5.493	576	579	611	rBV	1627568	3495078	95.27%	5.257%
3	6.510	748	752	769	rBV	2048923	3350101	91.32%	5.039%
4	6.634	769	773	788	rVB	2634584	3321359	90.54%	4.996%
5	6.857	808	811	832	rVB	794690	978610	26.68%	1.472%
6	7.010	833	837	853	rBV	2205644	2452940	66.86%	3.690%
7	7.122	853	856	862	rVB	32573	52160	1.42%	0.078%
8	7.428	904	908	924	rBV	1724604	2235140	60.93%	3.362%
9	8.139	1026	1029	1040	rBV2	1184800	1488540	40.58%	2.239%
10	8.710	1121	1126	1131	rBV	44253	53698	1.46%	0.081%
11	8.786	1131	1139	1140	rBV7	21139	39050	1.06%	0.059%
12	8.857	1148	1151	1157	rBV	205648	218650	5.96%	0.329%
13	8.957	1162	1168	1173	rBV	277903	301716	8.22%	0.454%
14	9.216	1208	1212	1220	rBV	2996899	2994027	81.61%	4.504%
15	9.281	1220	1223	1227	rVB	112459	115803	3.16%	0.174%
16	9.322	1227	1230	1234	rBV	64075	68061	1.86%	0.102%
17	9.416	1244	1246	1253	rVB2	43202	63349	1.73%	0.095%
18	9.486	1253	1258	1262	rBV	153273	226435	6.17%	0.341%
19	9.557	1266	1270	1273	rBV	255223	268112	7.31%	0.403%
20	9.586	1273	1275	1277	rVV	126393	126349	3.44%	0.190%
21	9.610	1277	1279	1285	rVB	230217	246186	6.71%	0.370%
22	9.675	1288	1290	1292	rBV	126093	111629	3.04%	0.168%
23	9.763	1301	1305	1309	rBV	342622	371680	10.13%	0.559%
24	9.810	1310	1313	1317	rVB	185820	159319	4.34%	0.240%
25	9.898	1321	1328	1331	rBV2	1336586	1313973	35.82%	1.977%
26	9.933	1331	1334	1341	rVB	625915	623768	17.00%	0.938%
27	10.004	1341	1346	1349	rBV2	62312	83768	2.28%	0.126%
28	10.051	1349	1354	1359	rVV4	55281	110695	3.02%	0.167%
29	10.110	1359	1364	1367	rVV2	270161	369010	10.06%	0.555%
30	10.139	1367	1369	1372	rVV2	135498	130077	3.55%	0.196%
31	10.169	1372	1374	1378	rVB4	36920	41103	1.12%	0.062%
32	10.216	1378	1382	1385	rBV	140936	163158	4.45%	0.245%
33	10.245	1385	1387	1391	rVB2	73922	69754	1.90%	0.105%
34	10.310	1393	1398	1404	rVB	264880	317362	8.65%	0.477%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.363	1404	1407	1410	rBV2	44587	62613	1.71%	0.094%
36	10.392	1410	1412	1415	rVB2	63287	53843	1.47%	0.081%
37	10.422	1415	1417	1419	rBV	55692	56566	1.54%	0.085%
38	10.451	1419	1422	1428	rVB	684168	675876	18.42%	1.017%
39	10.516	1428	1433	1434	rBV	132030	149679	4.08%	0.225%
40	10.563	1438	1441	1443	rVV2	65127	68158	1.86%	0.103%
41	10.610	1446	1449	1452	rVB	116175	118087	3.22%	0.178%
42	10.698	1458	1464	1470	rBV2	1511795	1800797	49.09%	2.709%
43	10.780	1475	1478	1482	rVV	166516	213577	5.82%	0.321%
44	10.839	1485	1488	1493	rVV3	59265	87125	2.37%	0.131%
45	10.886	1493	1496	1499	rVV2	52569	50301	1.37%	0.076%
46	11.004	1509	1516	1518	rBV	202050	302798	8.25%	0.455%
47	11.027	1518	1520	1527	rVV2	123712	215215	5.87%	0.324%
48	11.080	1527	1529	1532	rVB	115310	103272	2.82%	0.155%
49	11.127	1532	1537	1539	rBV4	66560	91864	2.50%	0.138%
50	11.151	1539	1541	1546	rVB2	68978	77673	2.12%	0.117%
51	11.210	1548	1551	1553	rBV2	79274	89949	2.45%	0.135%
52	11.233	1553	1555	1562	rVB3	105232	143369	3.91%	0.216%
53	11.292	1562	1565	1575	rVB	291046	347576	9.47%	0.523%
54	11.398	1579	1583	1585	rBV	1094506	1170609	31.91%	1.761%
55	11.422	1585	1587	1593	rVV	2773643	2599823	70.87%	3.911%
56	11.475	1593	1596	1603	rVV	855028	845180	23.04%	1.271%
57	11.639	1621	1624	1629	rBV2	248727	314582	8.58%	0.473%
58	11.680	1629	1631	1634	rVB	108994	97073	2.65%	0.146%
59	11.727	1636	1639	1642	rBV	146929	143783	3.92%	0.216%
60	11.816	1650	1654	1658	rBV2	101888	158777	4.33%	0.239%
61	11.916	1664	1671	1679	rBV2	1767887	3394655	92.54%	5.106%
62	11.980	1679	1682	1684	rBV	214828	180362	4.92%	0.271%
63	12.016	1684	1688	1690	rBV2	1006575	1113264	30.35%	1.675%
64	12.069	1695	1697	1699	rVV2	48063	37213	1.01%	0.056%
65	12.192	1715	1718	1721	rBV	309186	291118	7.94%	0.438%
66	12.345	1742	1744	1746	rVB	93332	77205	2.10%	0.116%
67	12.374	1747	1749	1752	rBV	172928	143272	3.91%	0.216%
68	12.404	1752	1754	1758	rVB2	152251	138943	3.79%	0.209%
69	12.451	1758	1762	1765	rBV	563030	619876	16.90%	0.932%
70	12.492	1767	1769	1771	rVV2	205333	201323	5.49%	0.303%
71	12.557	1774	1780	1785	rVB3	300049	561078	15.29%	0.844%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.621	1785	1791	1796	rBV	2959833	3668506	100.00%	5.518%
73	12.704	1799	1805	1813	rVV2	1976933	2683617	73.15%	4.037%
74	12.774	1814	1817	1819	rBV2	226443	213382	5.82%	0.321%
75	12.857	1824	1831	1836	rVV	2849528	3591560	97.90%	5.403%
76	12.898	1836	1838	1842	rVB	230518	220422	6.01%	0.332%
77	12.980	1848	1852	1857	rBV	1871793	1789792	48.79%	2.692%
78	13.069	1863	1867	1872	rVB2	273396	434762	11.85%	0.654%
79	13.116	1873	1875	1878	rBV3	89785	99548	2.71%	0.150%
80	13.157	1879	1882	1883	rBV2	248797	265036	7.22%	0.399%
81	13.180	1883	1886	1891	rVB	559400	651737	17.77%	0.980%
82	13.245	1894	1897	1900	rVV	392578	341690	9.31%	0.514%
83	13.286	1901	1904	1910	rVB	419303	450649	12.28%	0.678%
84	13.380	1917	1920	1922	rBV	304162	274471	7.48%	0.413%
85	13.410	1922	1925	1934	rVB2	429580	578043	15.76%	0.870%
86	13.810	1990	1993	1994	rBV	225082	211908	5.78%	0.319%
87	13.857	1999	2001	2007	rBV3	321441	441356	12.03%	0.664%
88	14.051	2030	2034	2038	rBV2	1309335	2200300	59.98%	3.310%
89	14.086	2038	2040	2046	rVB	1245164	1186304	32.34%	1.784%
90	14.168	2051	2054	2057	rBV	150323	145811	3.97%	0.219%
91	14.451	2100	2102	2105	rVB	291910	241597	6.59%	0.363%
92	14.580	2122	2124	2126	rBV	172072	153258	4.18%	0.231%
93	15.133	2214	2218	2221	rBV	789319	1273080	34.70%	1.915%
94	15.445	2267	2271	2278	rBV	544804	825219	22.49%	1.241%
95	15.515	2278	2283	2289	rVB	785241	1203986	32.82%	1.811%
96	15.574	2290	2293	2296	rBV	361813	469660	12.80%	0.706%

Sum of corrected areas: 66478518

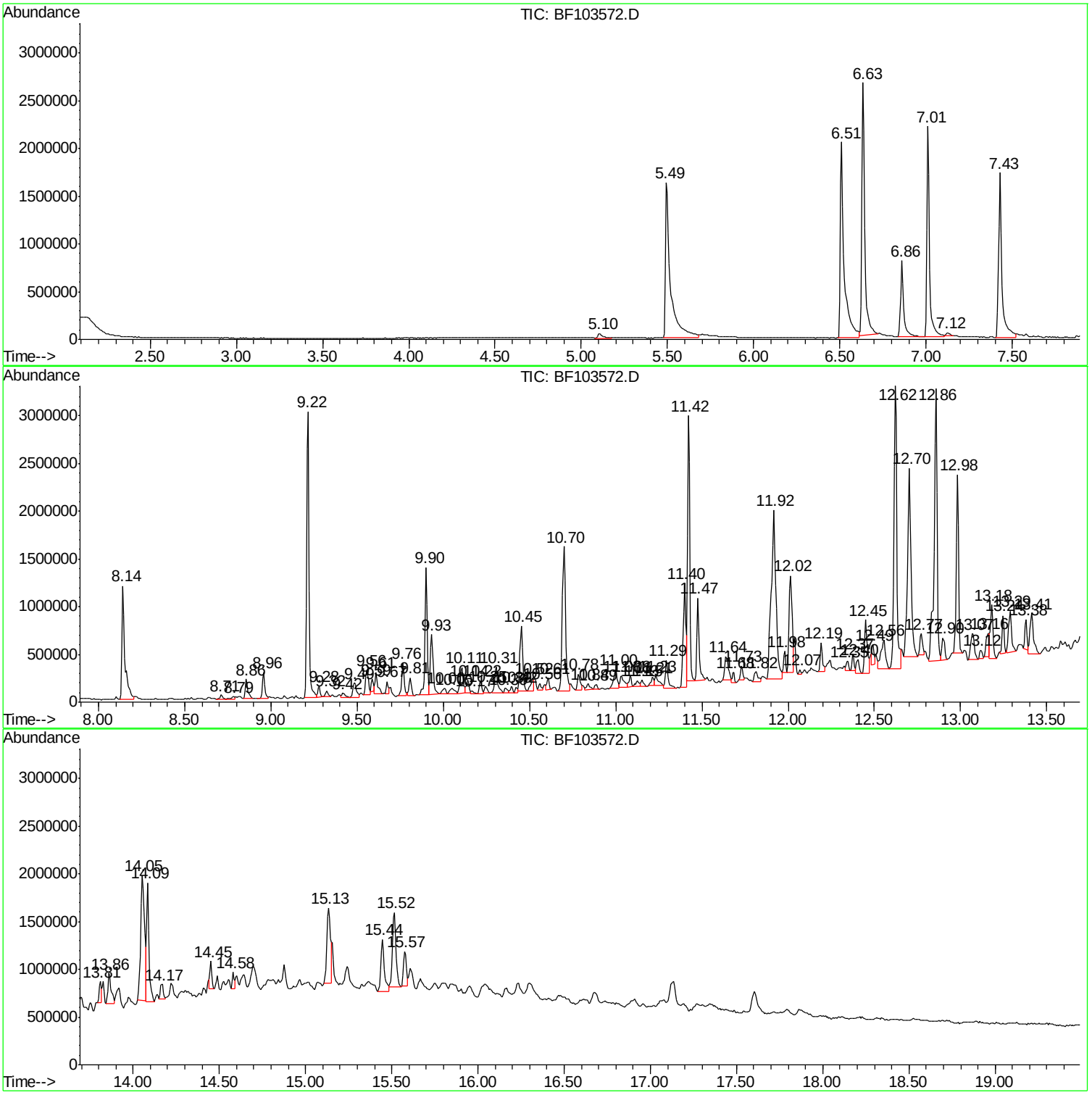
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

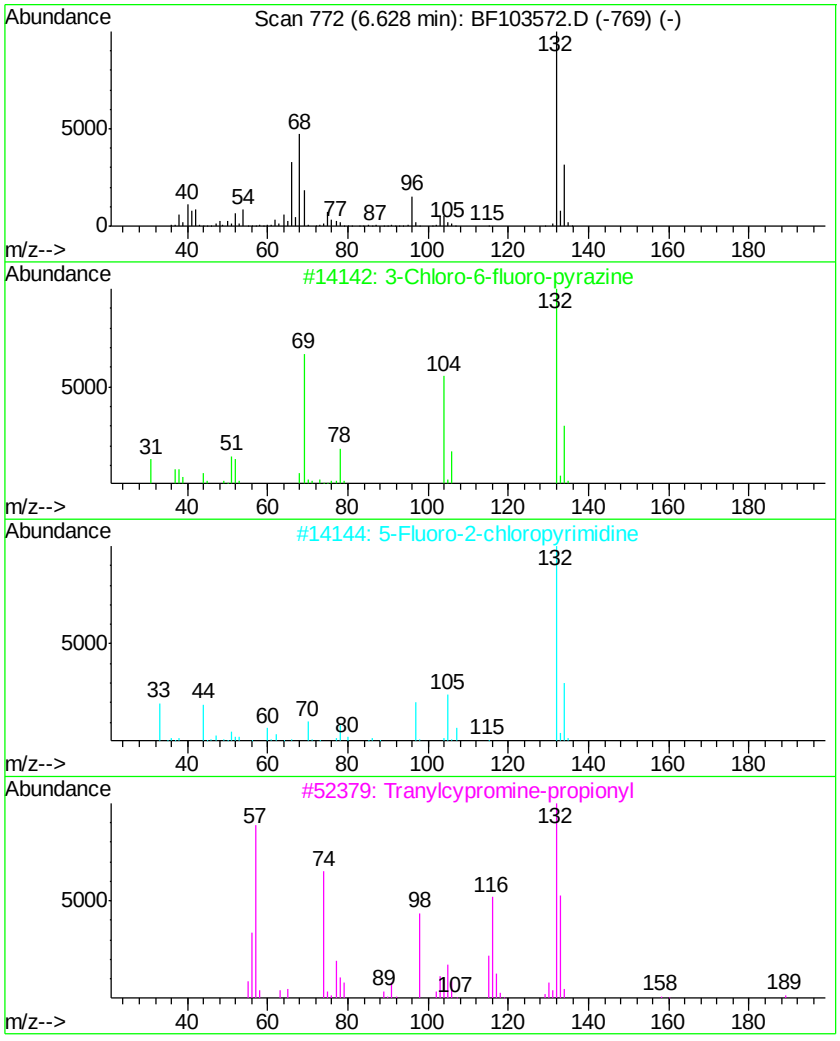
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

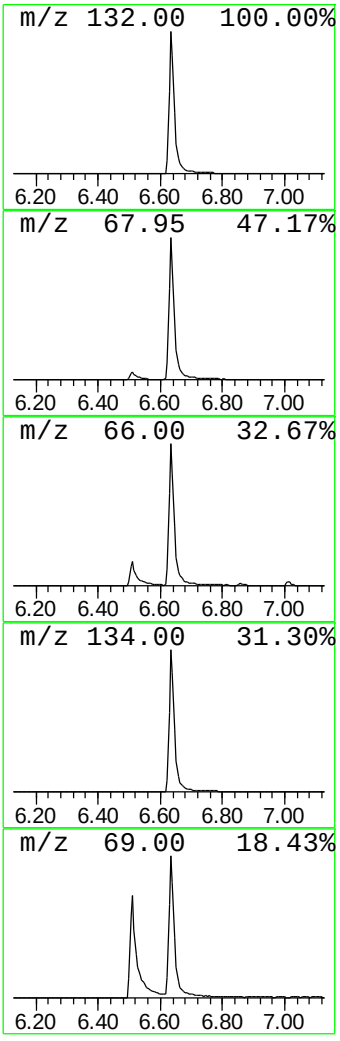
****

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	67.88 ng	3321360	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

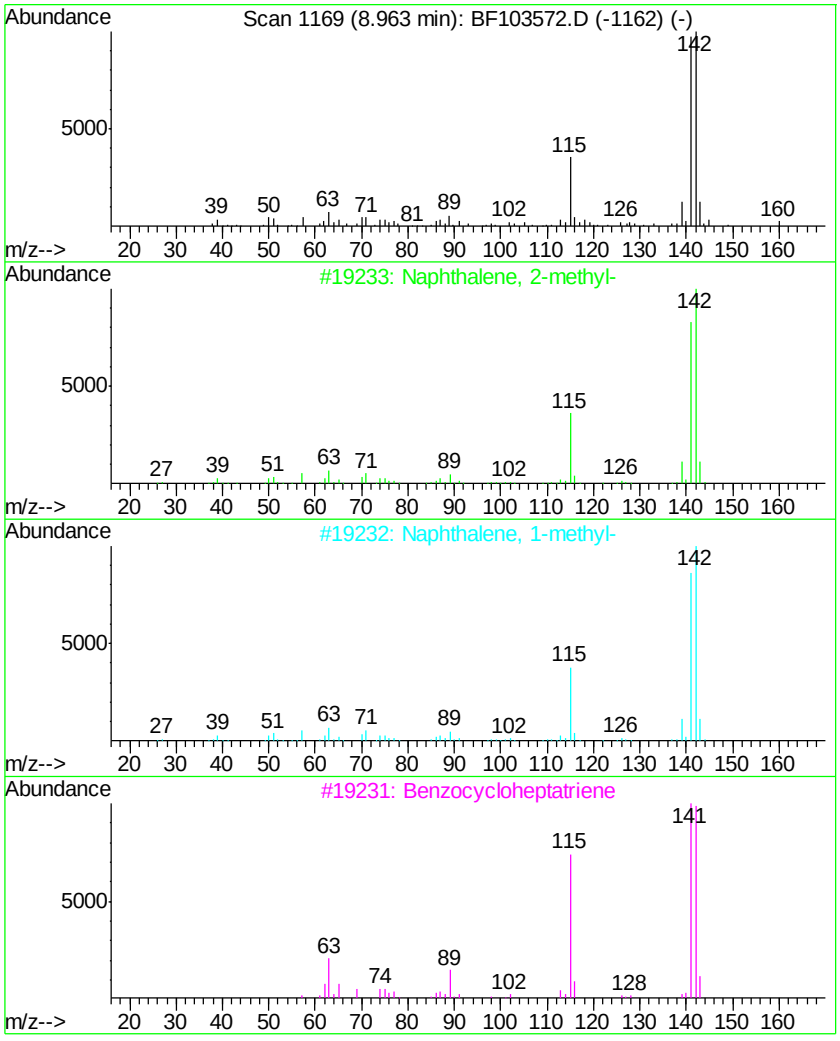
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

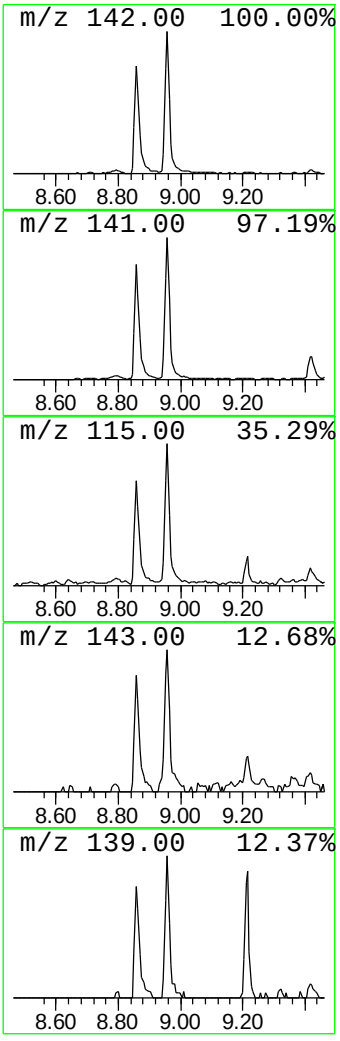
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	4.05 ng	301716	Naphthalene-d8	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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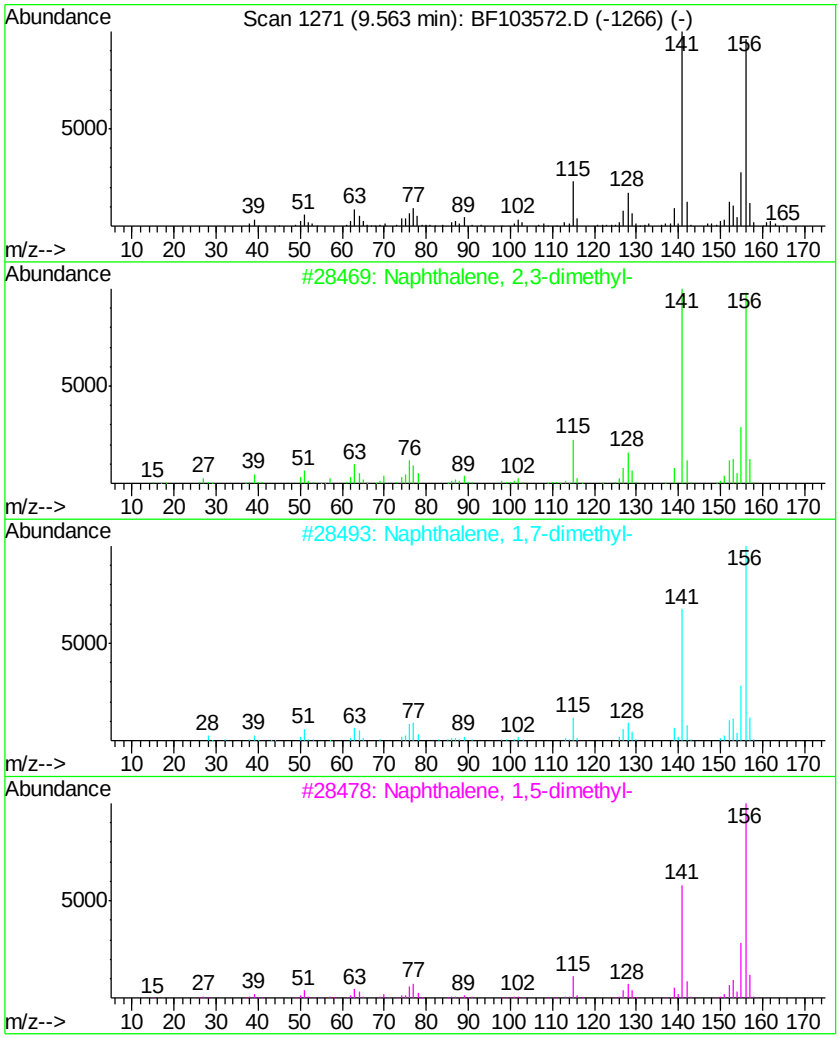
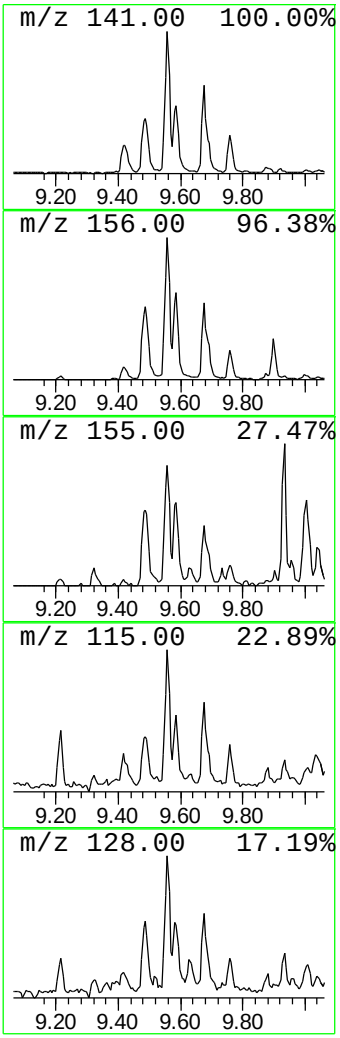
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	4.08 ng	268112	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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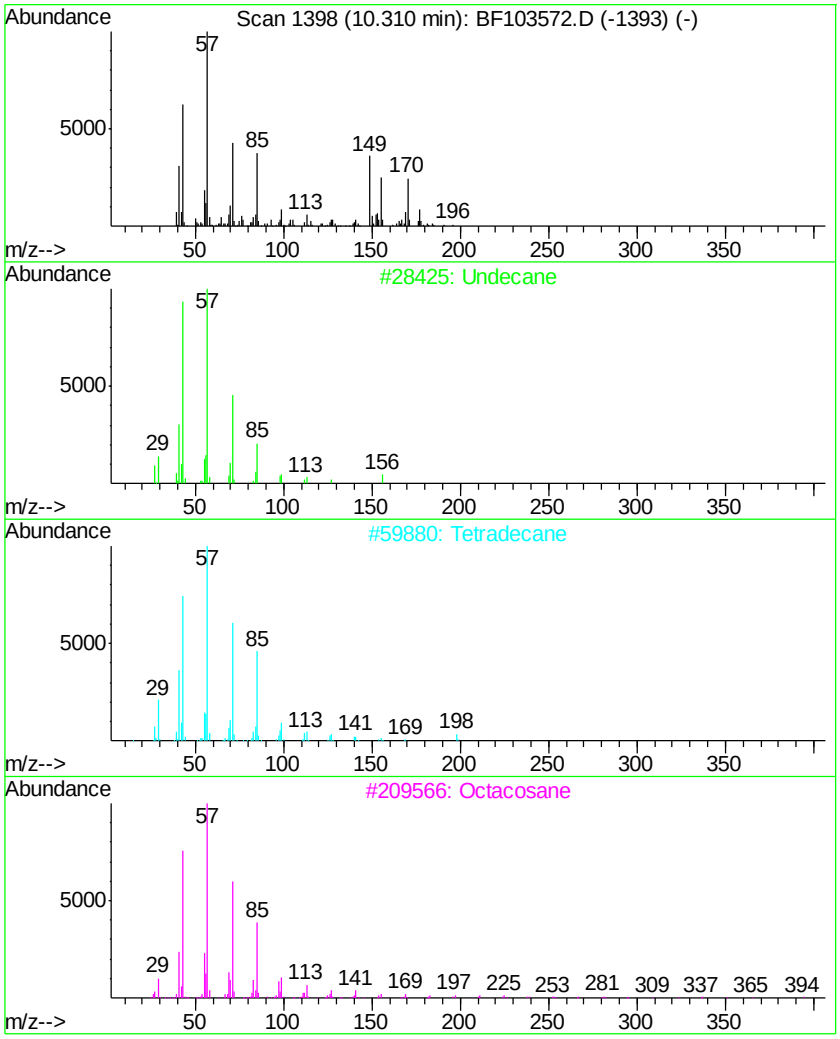
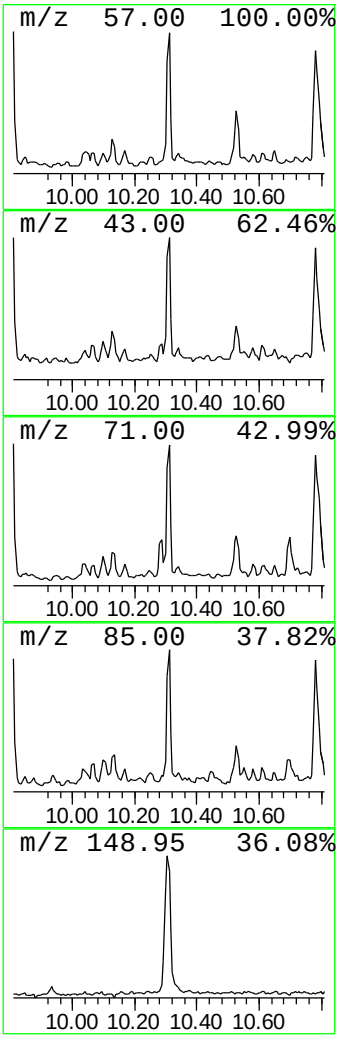
Peak Number 5 unknown10.31 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	4.83 ng	317362	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	46
2	Tetradecane	198	C14H30	000629-59-4	43
3	Octacosane	394	C28H58	000630-02-4	43
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	43
5	Pentadecane	212	C15H32	000629-62-9	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

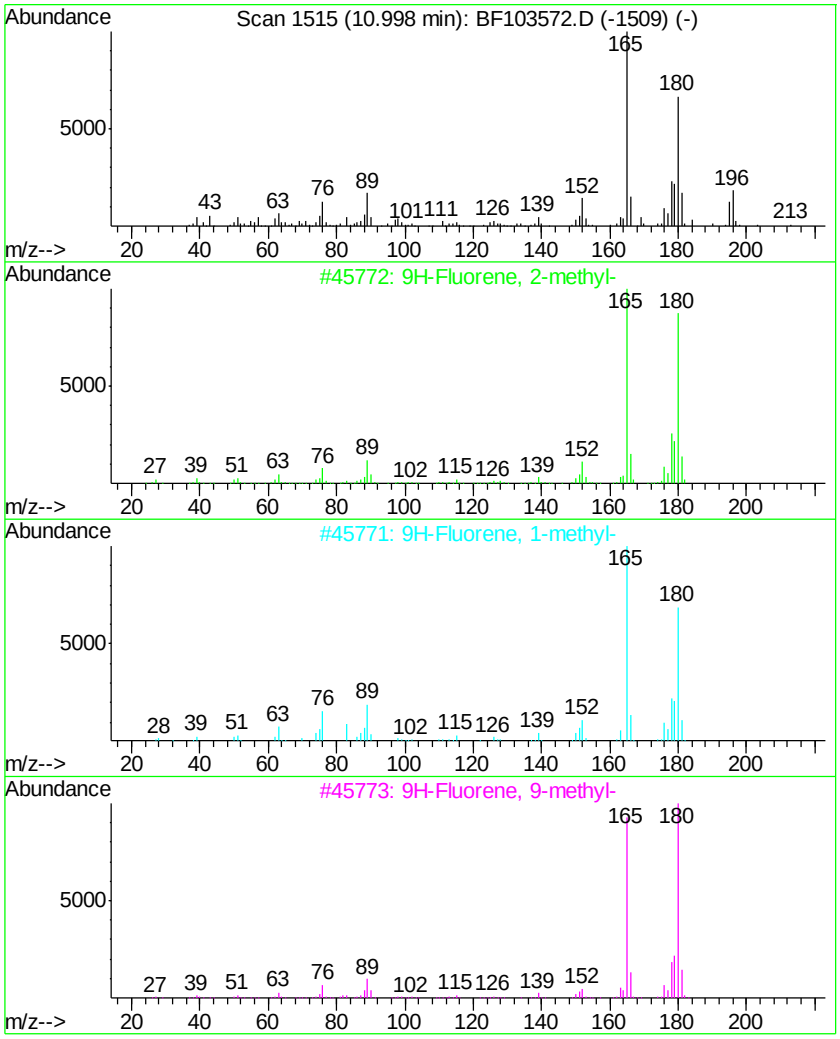
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

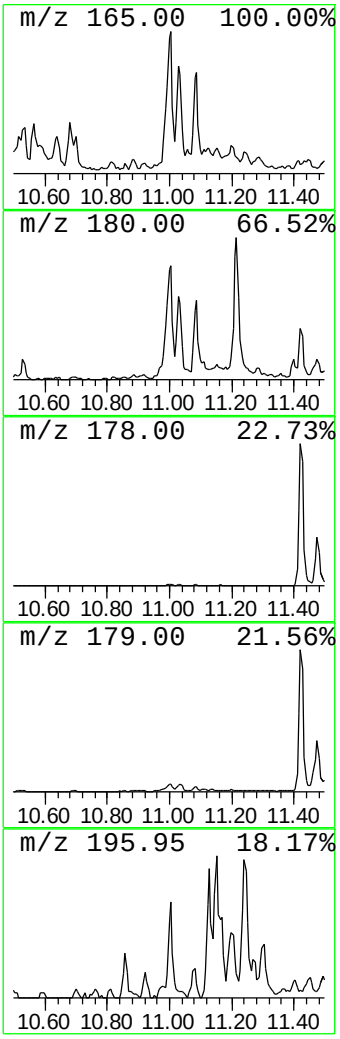
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	5.17 ng	302798	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

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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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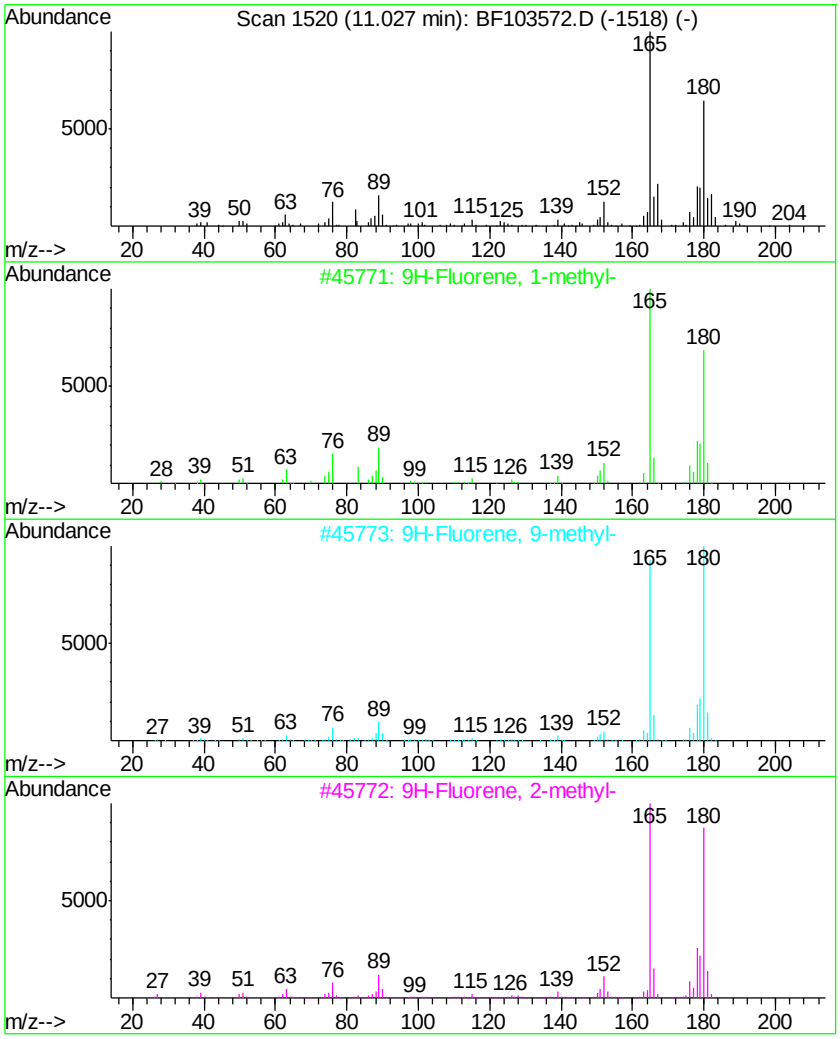
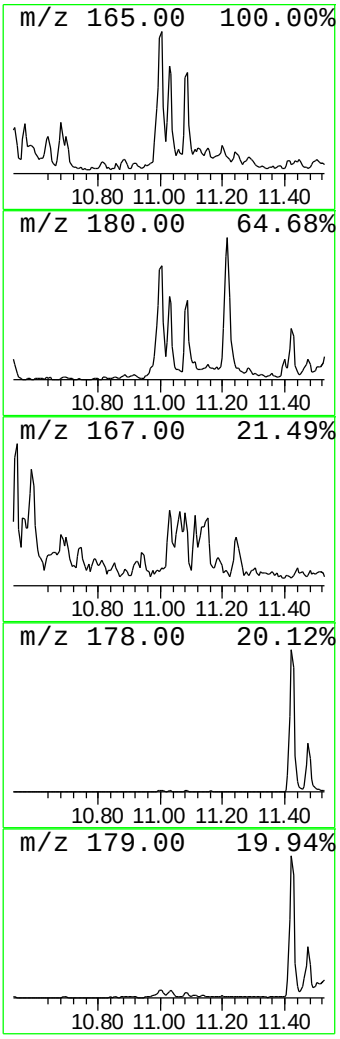
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	3.68 ng	215215	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	52





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Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

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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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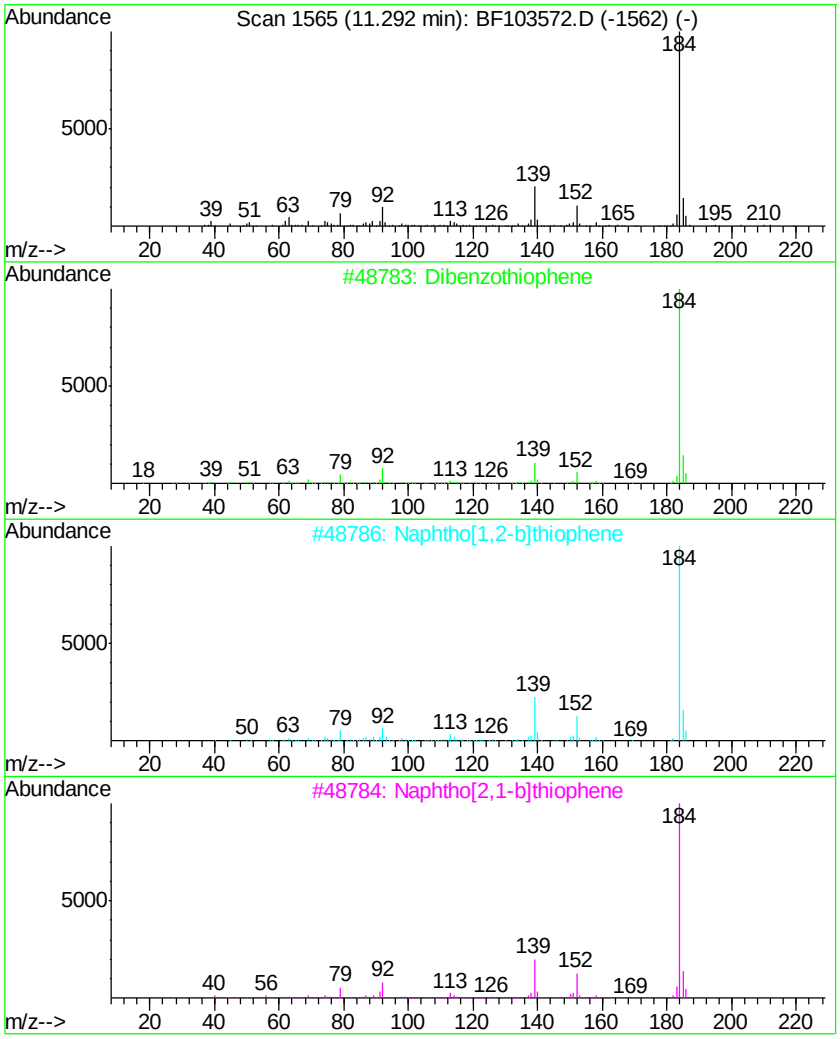
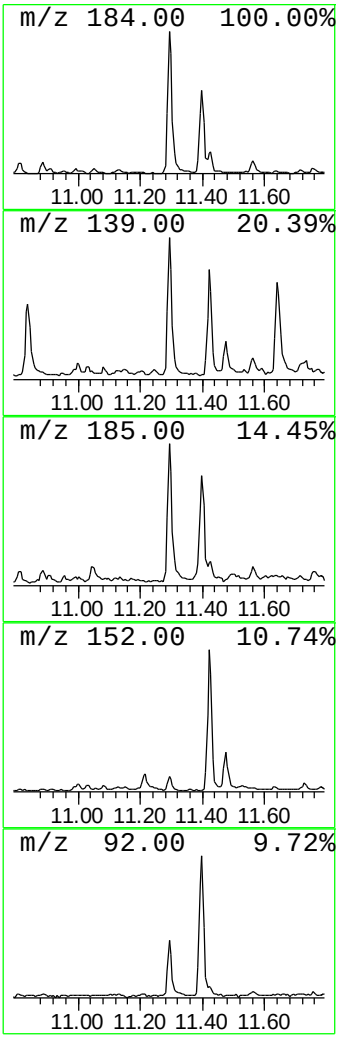
Peak Number 8 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	5.94 ng	347576	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : TP-1-3FT

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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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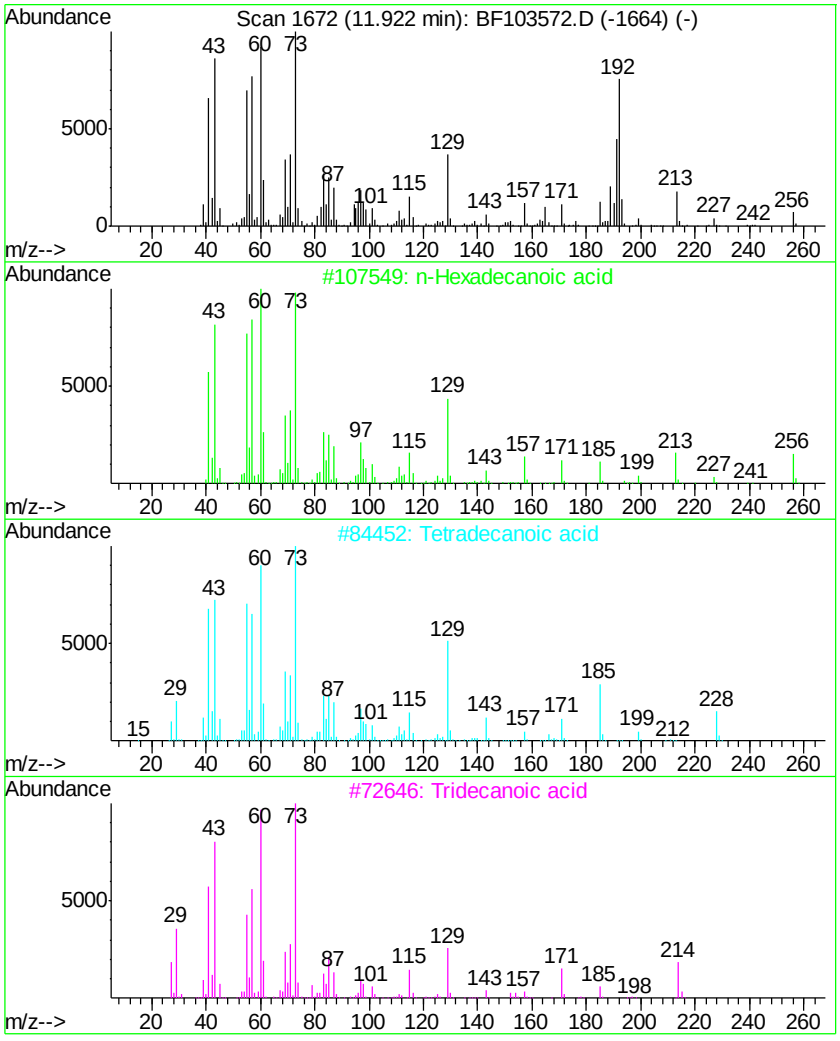
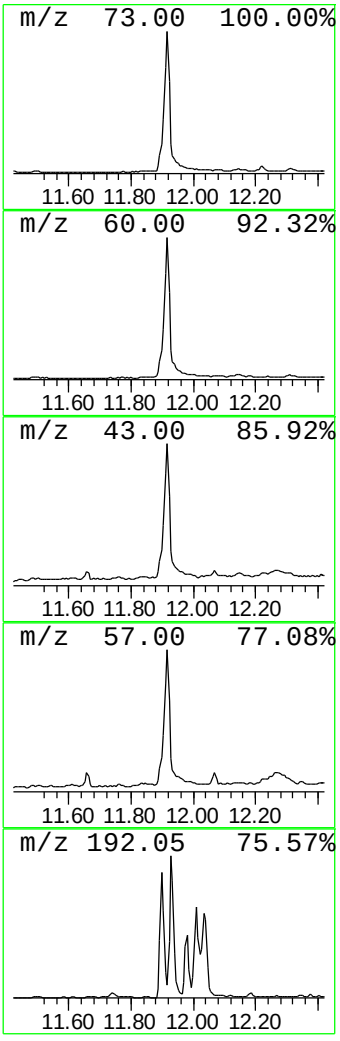
Peak Number 9 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	58.00 ng	3394660	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Undecanoic acid	186	C11H22O2	000112-37-8	81
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	72





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Misc :
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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

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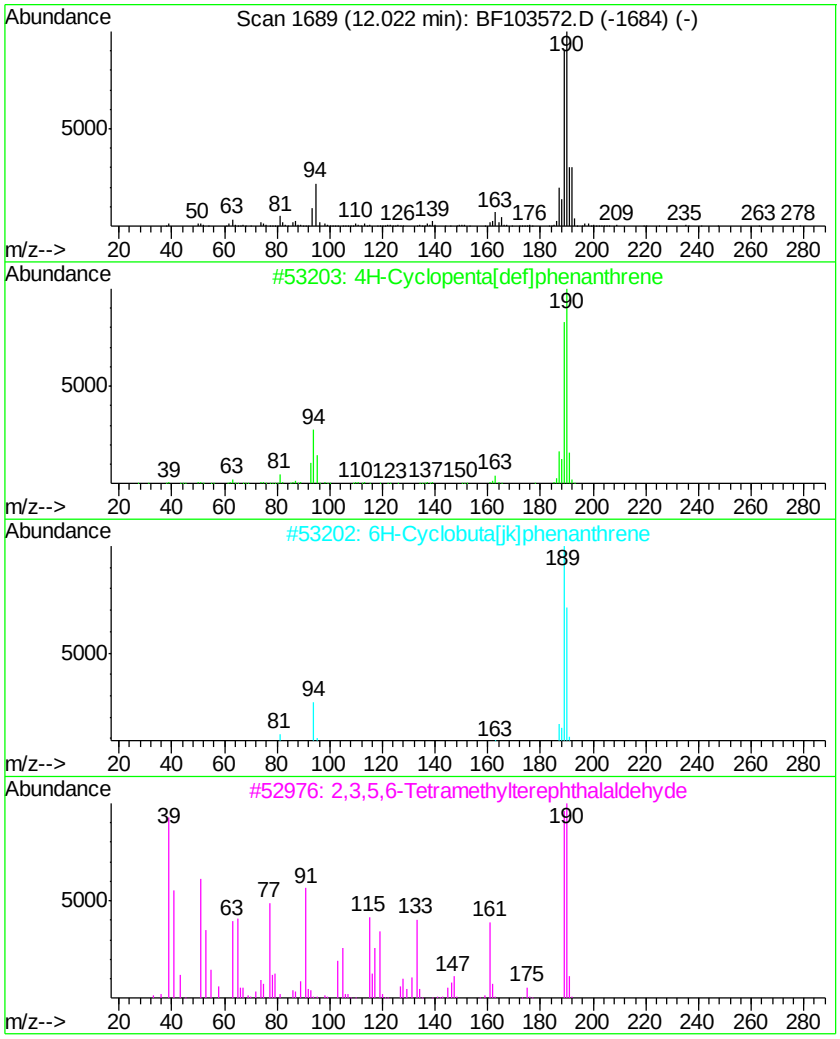
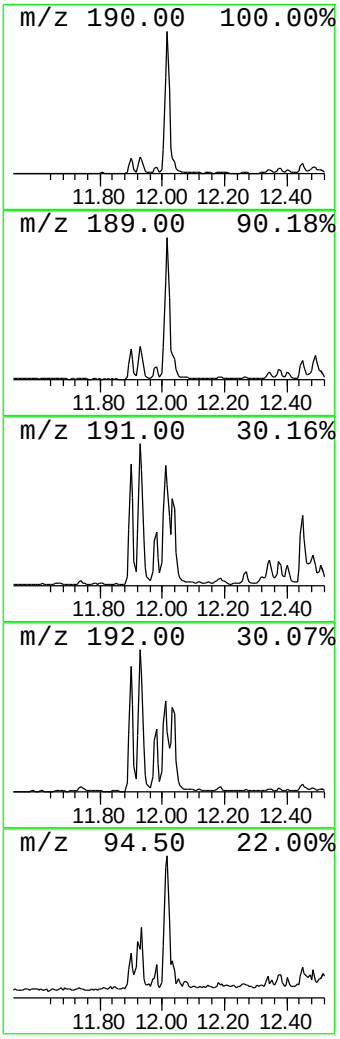
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	19.02 ng	1113260	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

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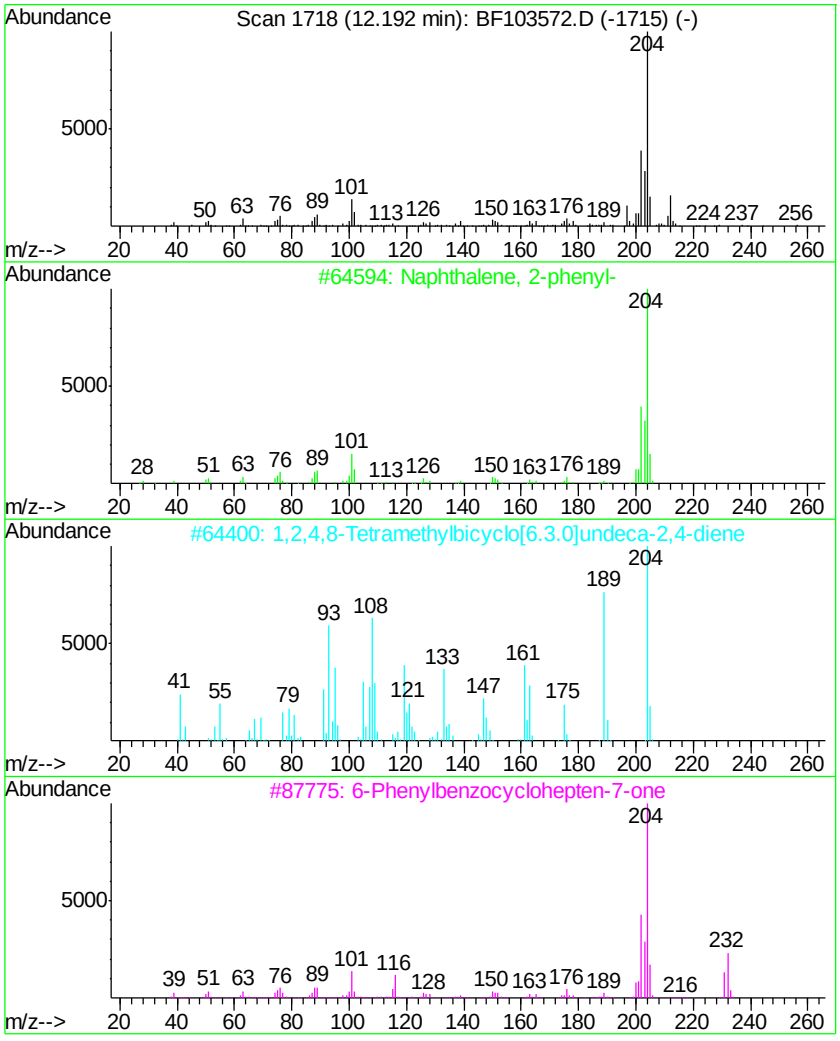
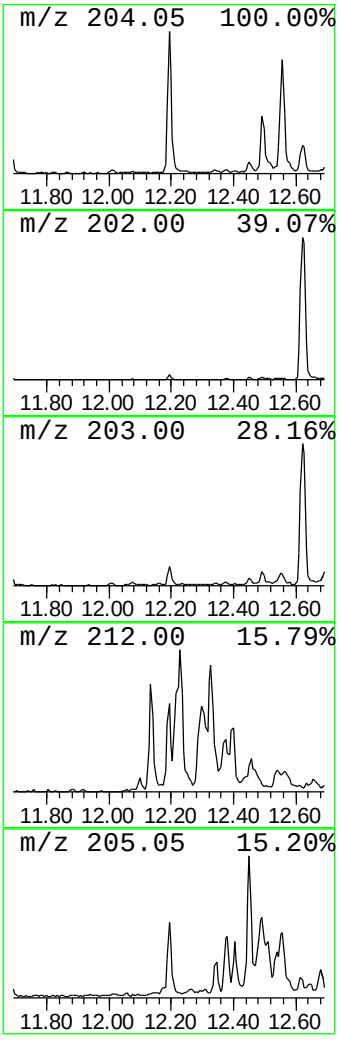
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.97 ng	291118	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

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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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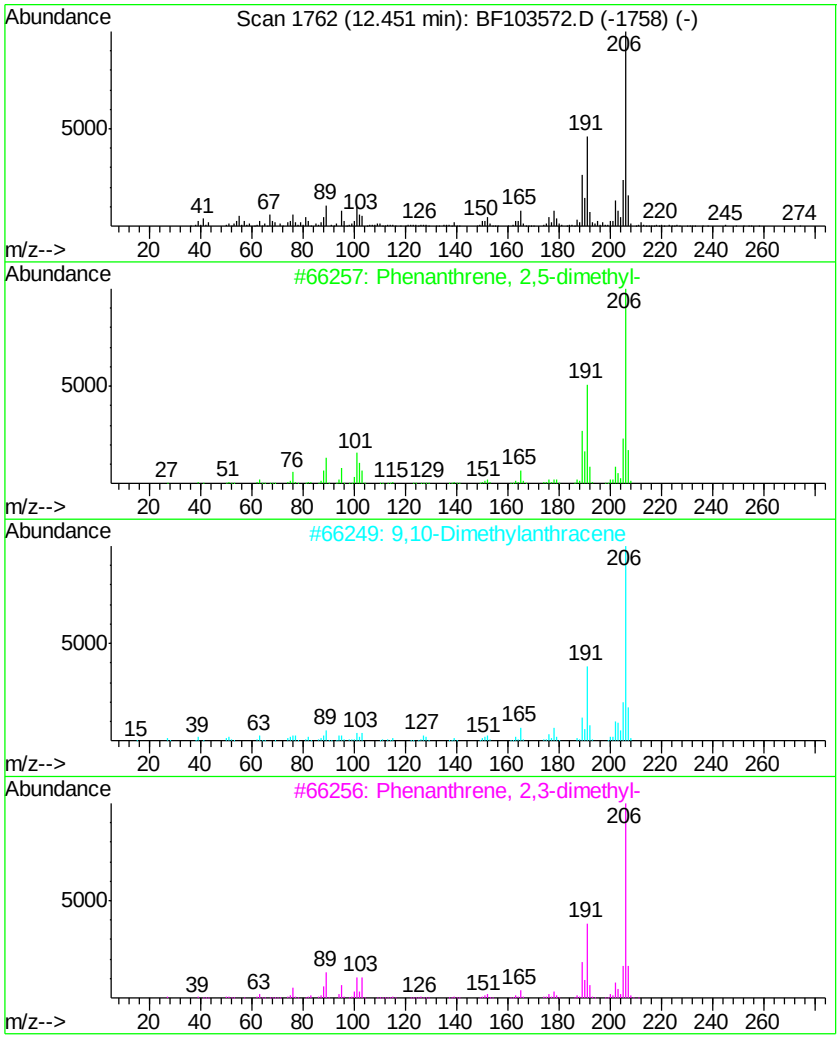
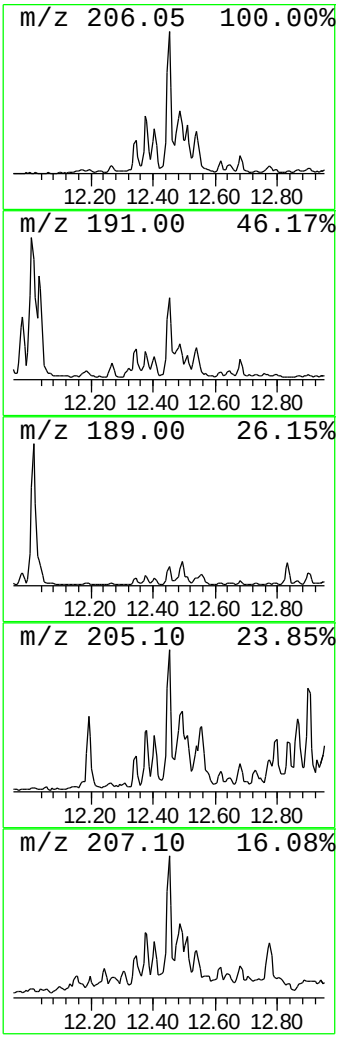
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	10.59 ng	619876	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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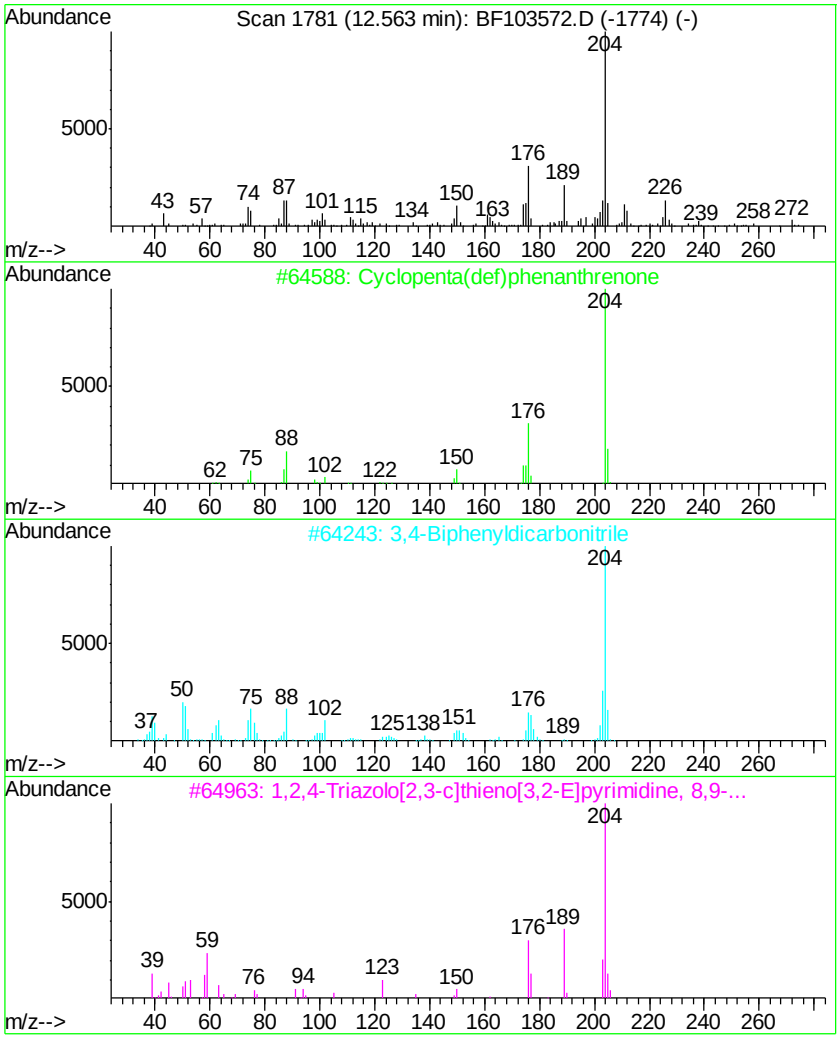
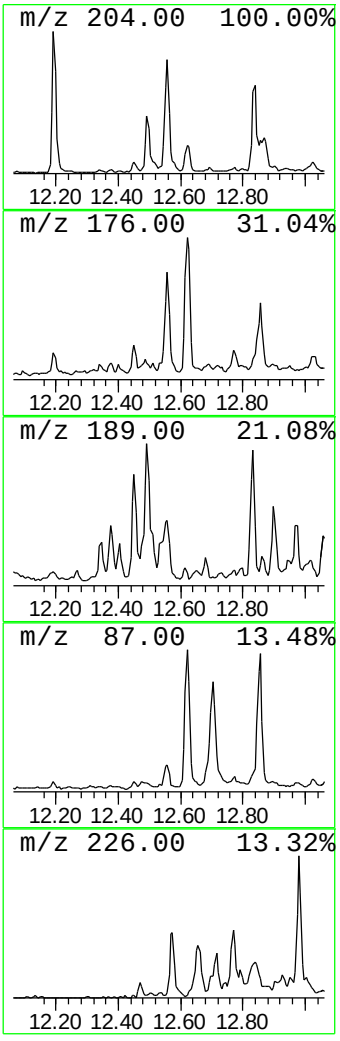
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	9.59 ng	561078	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
3	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	52
4	1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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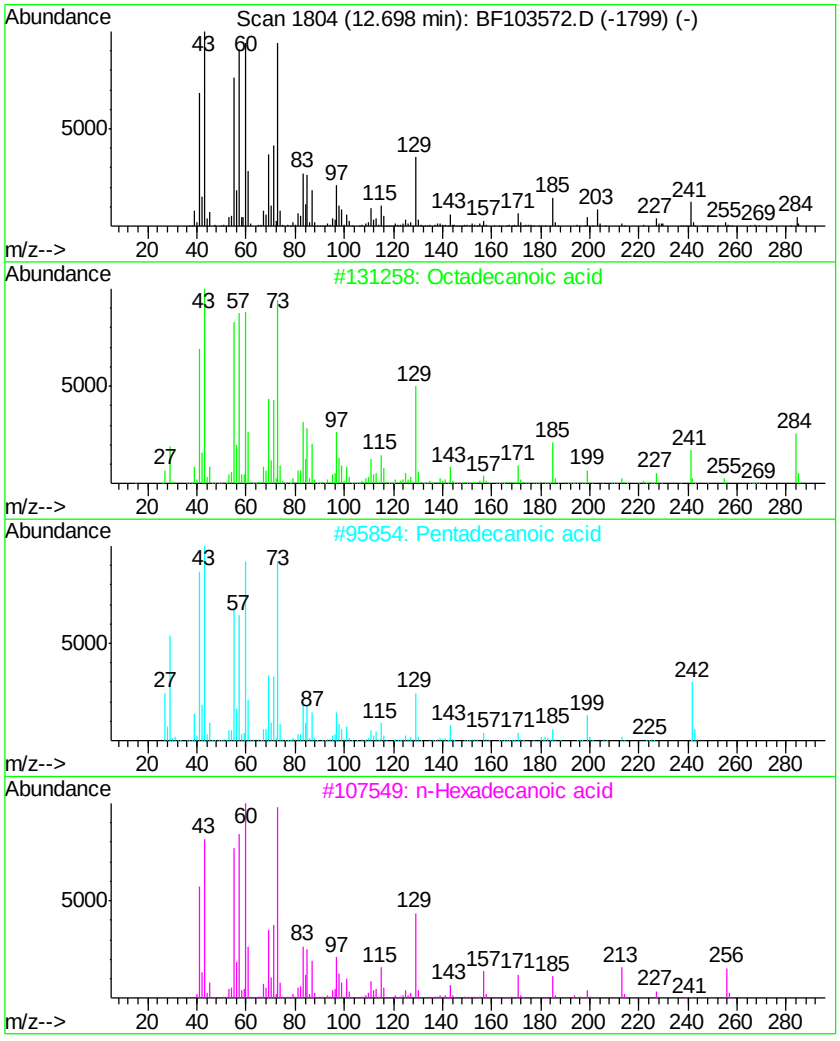
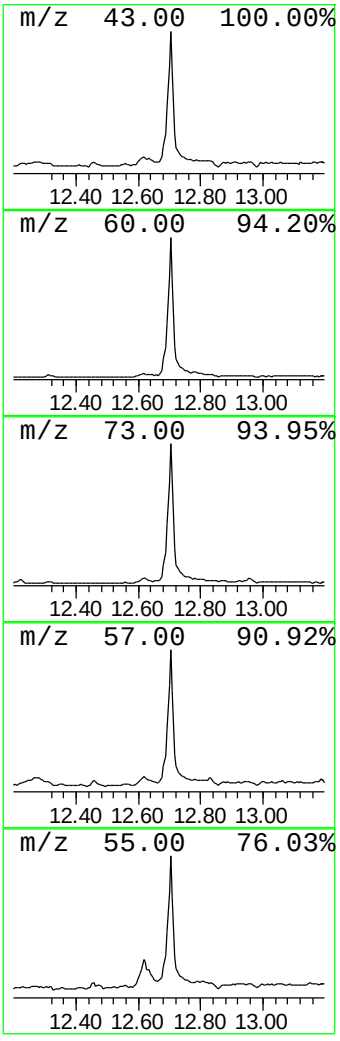
Peak Number 14 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	45.85 ng	2683620	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





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Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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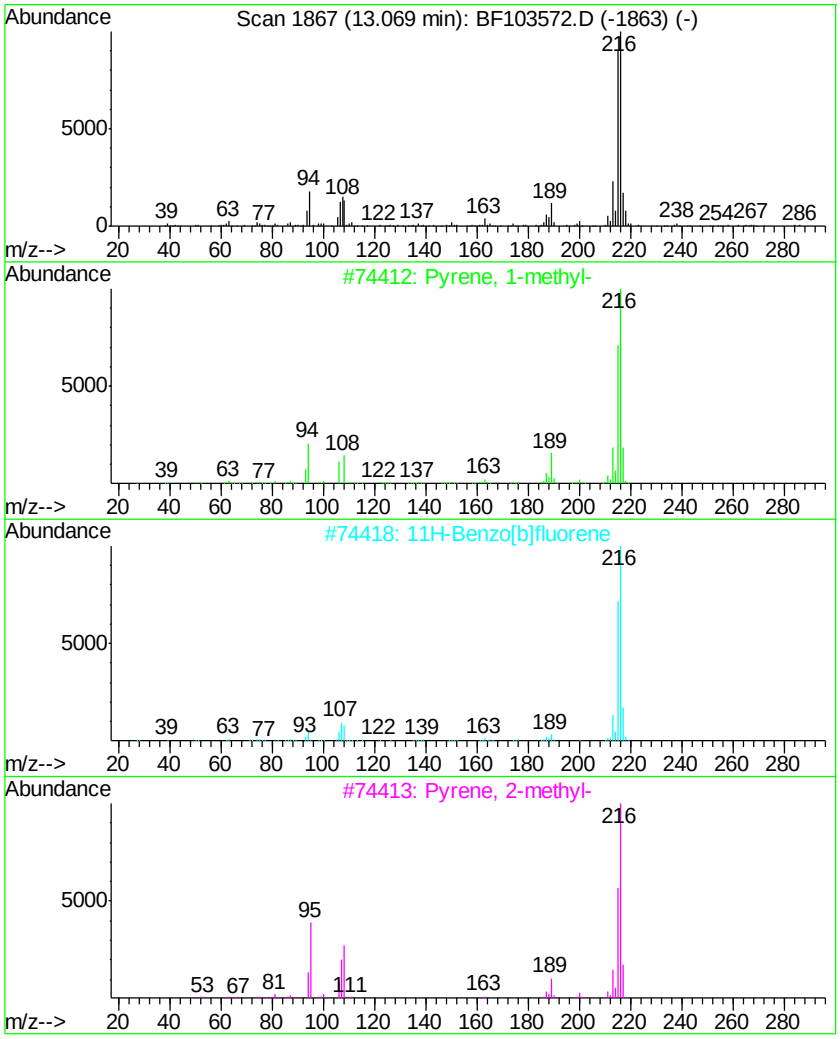
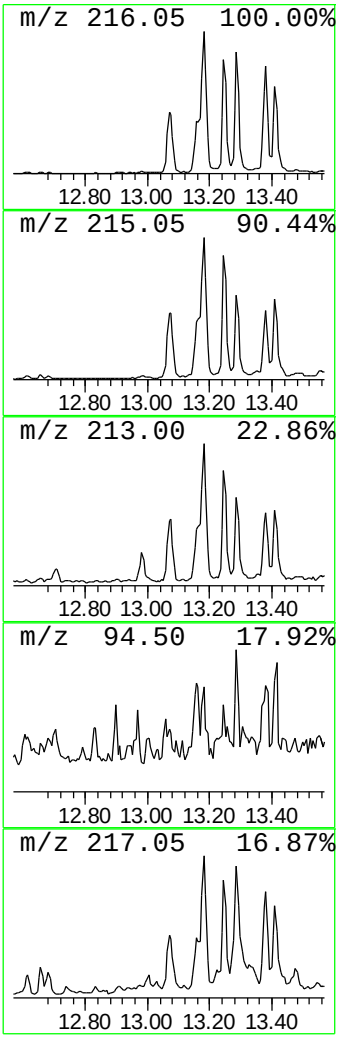
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.95 ng	434762	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Misc :
ALS Vial : 3 Sample Multiplier: 1

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

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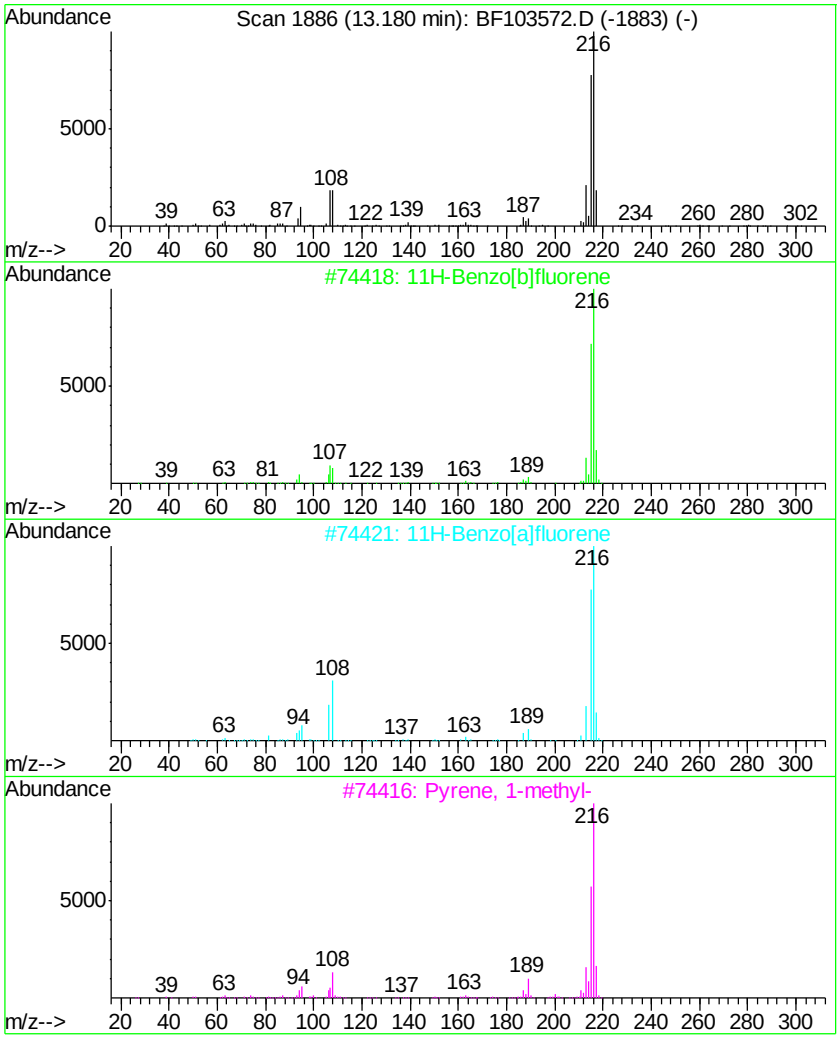
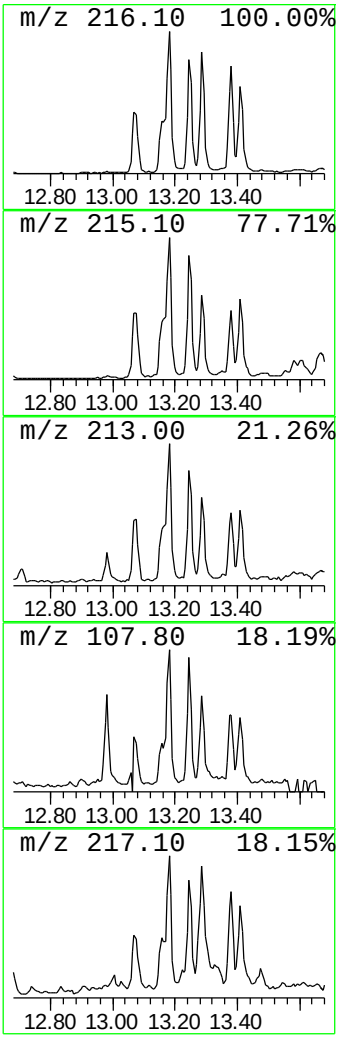
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.92 ng	651737	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59





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ALS Vial : 3 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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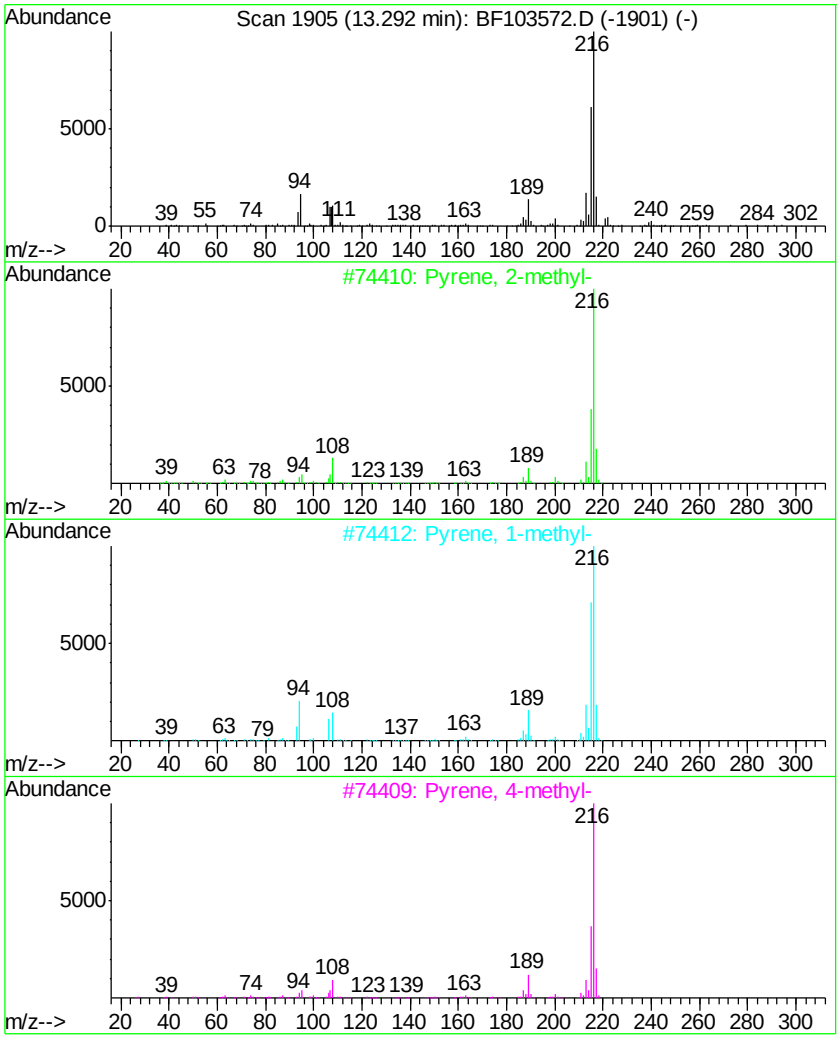
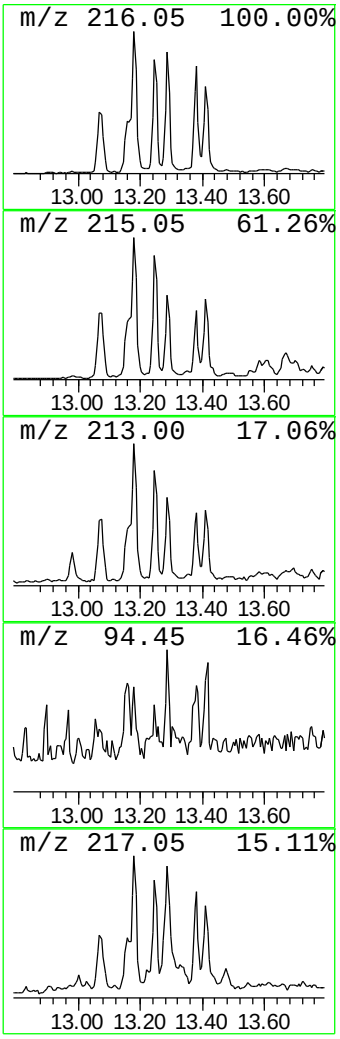
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	4.10 ng	450649	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58





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Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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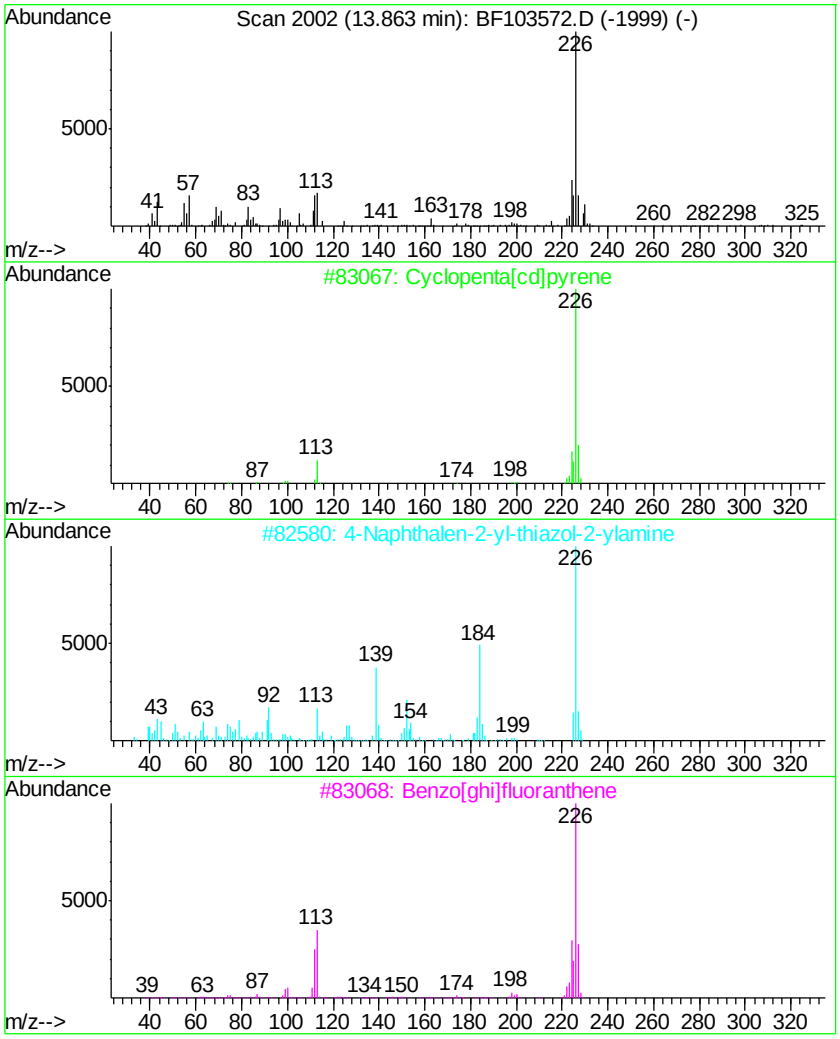
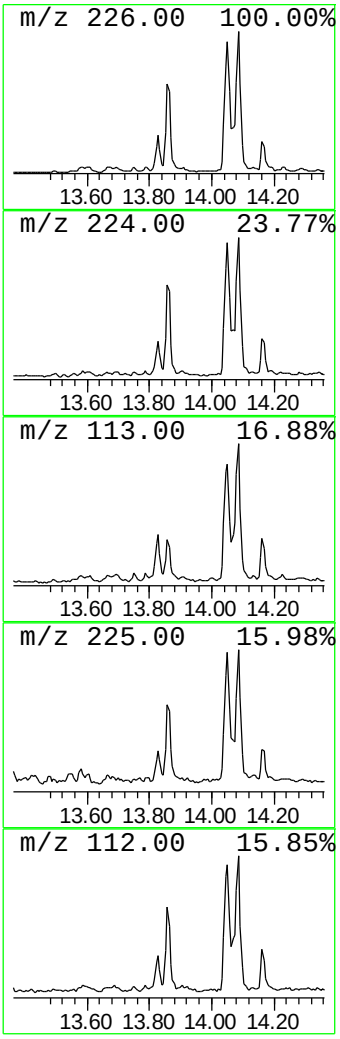
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	4.01 ng	441356	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	47
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	43
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

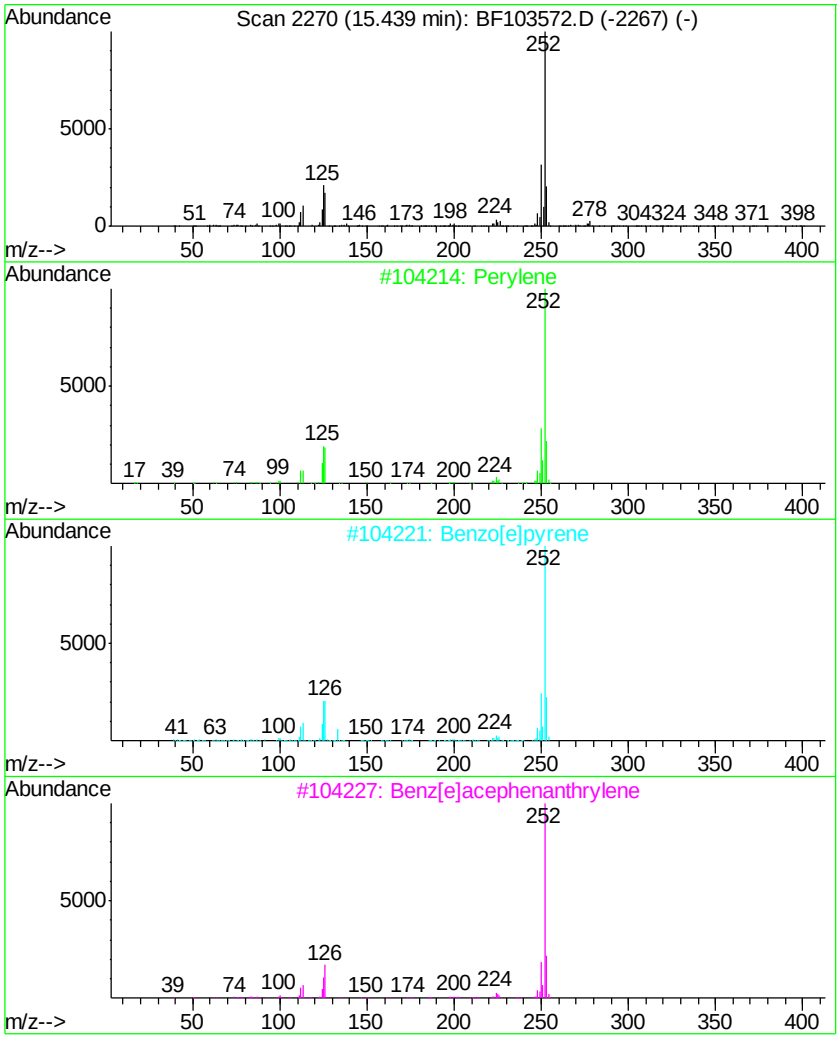
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

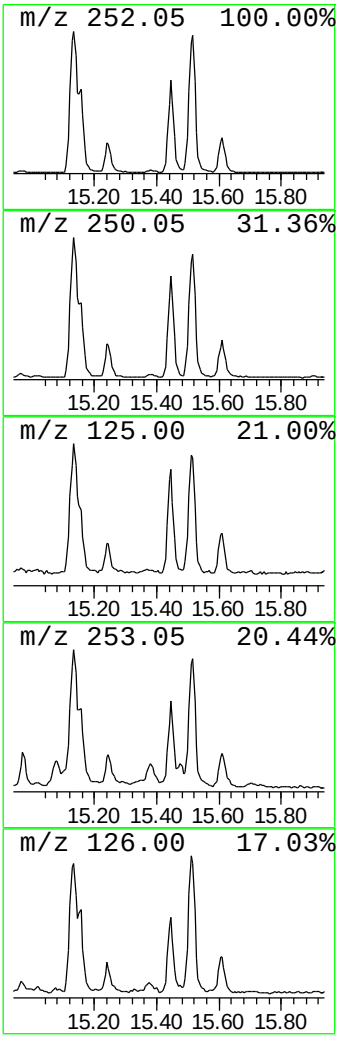
****

Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	35.14 ng	825219	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031218\
Data File : BF103572.D
Acq On : 12 Mar 2018 10:53
Operator : SJ/JU
Sample : J1776-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.63	6.63	67.9	ng	3321360	1	6.86	978610	20.0
Naphthalene, 1-me...	8.96	4.0	ng	301716	2	8.14	1488540	20.0
Naphthalene, 2,3-...	9.56	4.1	ng	268112	3	9.90	1313970	20.0
unknown10.31	10.31	4.8	ng	317362	3	9.90	1313970	20.0
9H-Fluorene, 2-me...	11.00	5.2	ng	302798	4	11.40	1170610	20.0
9H-Fluorene, 1-me...	11.03	3.7	ng	215215	4	11.40	1170610	20.0
Dibenzothiophene	11.29	5.9	ng	347576	4	11.40	1170610	20.0
n-Hexadecanoic acid	11.92	58.0	ng	3394660	4	11.40	1170610	20.0
4H-Cyclopenta[def...	12.02	19.0	ng	1113260	4	11.40	1170610	20.0
Naphthalene, 2-ph...	12.19	5.0	ng	291118	4	11.40	1170610	20.0
Phenanthrene, 2,5...	12.45	10.6	ng	619876	4	11.40	1170610	20.0
Cyclopenta(def)ph...	12.56	9.6	ng	561078	4	11.40	1170610	20.0
Octadecanoic acid	12.70	45.9	ng	2683620	4	11.40	1170610	20.0
Pyrene, 1-methyl-	13.07	4.0	ng	434762	5	14.06	2200300	20.0
11H-Benzo[b]fluorene	13.18	5.9	ng	651737	5	14.06	2200300	20.0
Pyrene, 2-methyl-	13.29	4.1	ng	450649	5	14.06	2200300	20.0
Cyclopenta[cd]pyrene	13.86	4.0	ng	441356	5	14.06	2200300	20.0
Perylene	15.44	35.1	ng	825219	6	15.57	469660	20.0