LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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-BF031518.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	2.334	34	42	49	rVB	123931	172141	4.73%	0.379%
2	5.228	525	534	548	rBV	90376	167489	4.60%	0.369%
3	5.610	595	599	620	rBV	2574319	3351816	92.04%	7.384%
4	6.610	764	769	788	rBV	2587773	3641614	100.00%	8.023%
5	6.745	788	792	798	rVV	3105773	3534179	97.05%	7.786%
6	6.793	798	800	814	rVB	94861	147345	4.05%	0.325%
7	6.969	827	830	837	rBV	793645	805661	22.12%	1.775%
8	7.022	837	839	846	rVB3	26872	37011	1.02%	0.082%
9	7.128	853	857	869	rBV	2789989	2824484	77.56%	6.222%
10	7.540	922	927	935	rBV	2035437	2221572	61.01%	4.894%
11	7.598	935	937	943	rVB3	30071	40347	1.11%	0.089%
12	8.251	1044	1048	1059	rBV2	1077370	1238126	34.00%	2.728%
13	8.963	1166	1169	1176	rVB	82249	92300	2.53%	0.203%
14	9.063	1183	1186	1192	rVB	59220	54592	1.50%	0.120%
15	9.328	1225	1231	1234	rBV	3686316	3605351	99.00%	7.943%
16	9.392	1239	1242	1245	rVV	48241	50569	1.39%	0.111%
17	9.428	1245	1248	1253	rVB	42023	39709	1.09%	0.087%
18	9.598	1271	1277	1280	rBV2	32786	46432	1.28%	0.102%
19	9.663	1285	1288	1291	rVV	48824	52226	1.43%	0.115%
20	9.716	1291	1297	1305	rVB	456033	442082	12.14%	0.974%
21	9.869	1320	1323	1328	rBV	81877	88158	2.42%	0.194%
22	9.922	1328	1332	1335	rVB	112344	91226	2.51%	0.201%
23	10.010	1343	1347	1350	rBV2	1211379	1074458	29.50%	2.367%
24	10.045	1350	1353	1361	rVB	217731	211002	5.79%	0.465%
25	10.163	1368	1373	1375	rBV4	25134	43382	1.19%	0.096%
26	10.216	1378	1382	1385	rVV	125904	136984	3.76%	0.302%
27	10.245	1385	1387	1391	rVB3	39397	41919	1.15%	0.092%
28	10.422	1410	1417	1421	rBV2	146863	155837	4.28%	0.343%
29	10.557	1437	1440	1446	rVB	169827	185582	5.10%	0.409%
30	10.645	1446	1455	1457	rBV4	70303	120051	3.30%	0.264%
31	10.716	1465	1467	1471	rVB2	51784	46224	1.27%	0.102%
32	10.804	1478	1482	1492	rBV	1930872	2095196	57.53%	4.616%
33	10.898	1494	1498	1508	rVB	118834	200358	5.50%	0.441%
34	11.110	1527	1534	1537	rBV2	50102	88916	2.44%	0.196%

LSC Area Percent Report

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Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.233	1550	1555	1557	rBV4	41627	61412	1.69%	0.135%
36	11.345	1571	1574	1576	rBV	100866	90220	2.48%	0.199%
37	11.404	1581	1584	1588	rVB	73554	75429	2.07%	0.166%
38	11.504	1597	1601	1603	rBV	1051894	980888	26.94%	2.161%
39	11.528	1603	1605	1609	rVV	1165021	1015407	27.88%	2.237%
40	11.580	1611	1614	1618	rVV	380293	349751	9.60%	0.771%
41	11.616	1618	1620	1624	rVB	47331	49907	1.37%	0.110%
42	11.739	1636	1641	1644	rBV	98884	131275	3.60%	0.289%
43	11.769	1644	1646	1648	rVB	50168	41421	1.14%	0.091%
44	12.010	1683	1687	1689	rBV2	283474	283059	7.77%	0.624%
45	12.033	1689	1691	1695	rVB	217722	182867	5.02%	0.403%
46	12.080	1696	1699	1702	rVB	104638	87953	2.42%	0.194%
47	12.122	1702	1706	1708	rBV2	223343	256960	7.06%	0.566%
48	12.298	1734	1736	1739	rBV	95814	85187	2.34%	0.188%
49	12.333	1739	1742	1744	rVB2	44332	37274	1.02%	0.082%
50	12.451	1760	1762	1765	rBV3	46587	36825	1.01%	0.081%
51	12.557	1777	1780	1784	rBV2	108013	150304	4.13%	0.331%
52	12.645	1793	1795	1800	rBV3	59058	66144	1.82%	0.146%
53	12.727	1805	1809	1812	rBV	1372748	1314704	36.10%	2.896%
54	12.786	1817	1819	1821	rBV	48937	54621	1.50%	0.120%
55	12.957	1845	1848	1853	rVB	1305140	1238803	34.02%	2.729%
56	13.004	1853	1856	1859	rVB3	82649	91232	2.51%	0.201%
57	13.092	1866	1871	1874	rBV	2613343	2401496	65.95%	5.291%
58	13.116	1874	1875	1878	rVB	68694	45957	1.26%	0.101%
59	13.163	1881	1883	1889	rVB2	89431	145903	4.01%	0.321%
60	13.280	1901	1903	1907	rVB	217935	193783	5.32%	0.427%
61	13.345	1912	1914	1917	rBV	151409	142557	3.91%	0.314%
62	13.480	1935	1937	1939	rBV	78251	56608	1.55%	0.125%
63	13.792	1988	1990	1994	rVB	117628	116525	3.20%	0.257%
64	13.910	2007	2010	2012	rBV2	97312	102062	2.80%	0.225%
65	13.933	2012	2014	2016	rVV	116416	87341	2.40%	0.192%
66	13.969	2016	2020	2023	rVV2	216724	256906	7.05%	0.566%
67	14.157	2047	2052	2055	rBV2	1066919	1592475	43.73%	3.508%
68	14.186	2055	2057	2064	rVB	821326	721282	19.81%	1.589%
69	14.269	2068	2071	2073	rBV	204059	166911	4.58%	0.368%
70	14.551	2117	2119	2123	rVB	176017	142315	3.91%	0.314%
71	15.251	2233	2238	2241	rBV	674936	1184424	32.52%	2.609%

LSC Area Percent Report

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Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.363	2254	2257	2264	rVB	209800	252280	6.93%	0.556%
73	15.574	2289	2293	2299	rVB	488180	696100	19.12%	1.534%
74	15.639	2300	2304	2309	rVV	734765	1013638	27.83%	2.233%
75	15.710	2312	2316	2319	rVV	485087	670546	18.41%	1.477%
76	15.745	2319	2322	2328	rVB2	222724	325529	8.94%	0.717%
77	17.292	2579	2585	2595	rVB2	332353	719829	19.77%	1.586%
78	17.780	2662	2668	2680	rVB	239065	531804	14.60%	1.172%

Sum of corrected areas: 45392253

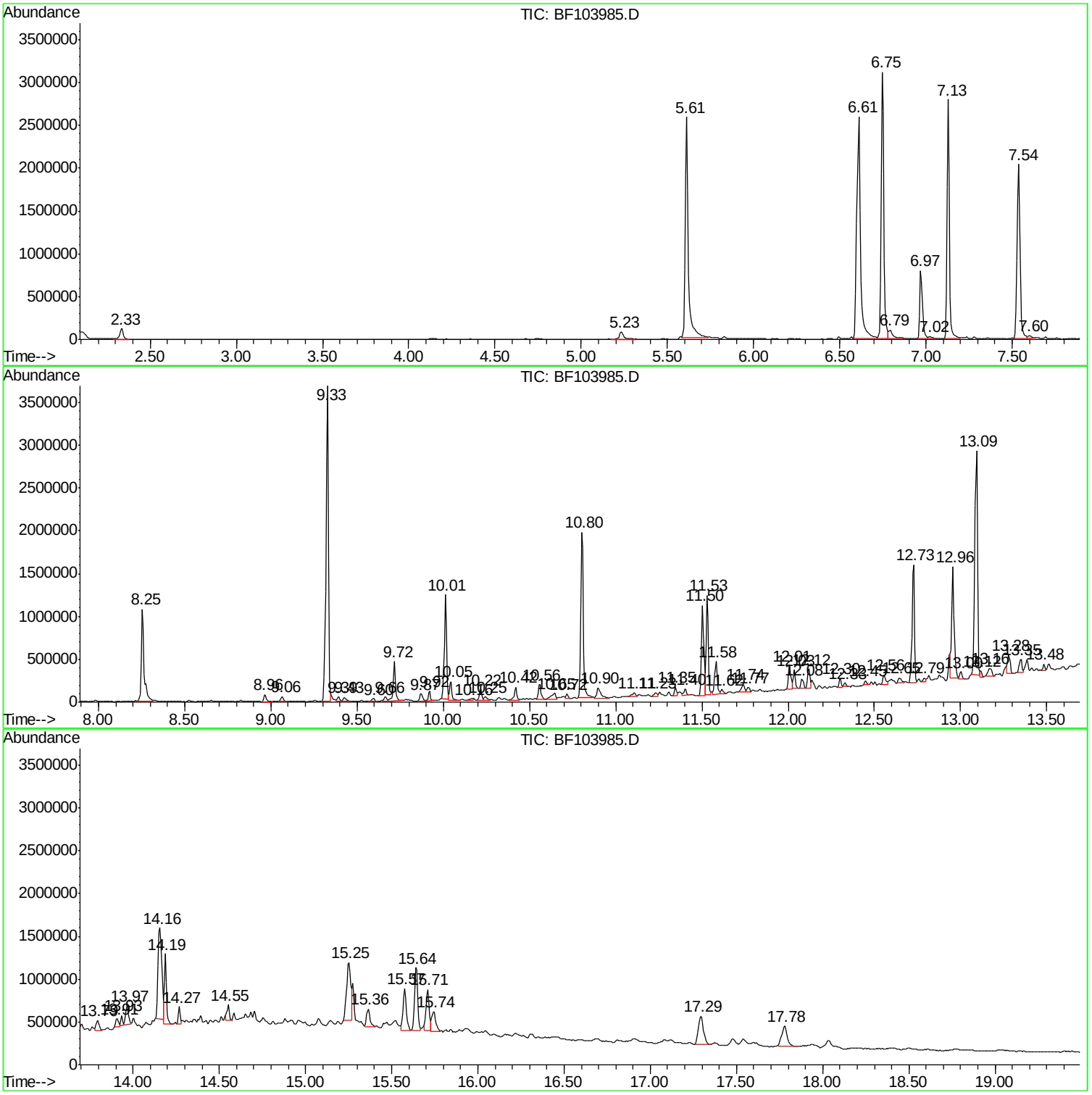
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

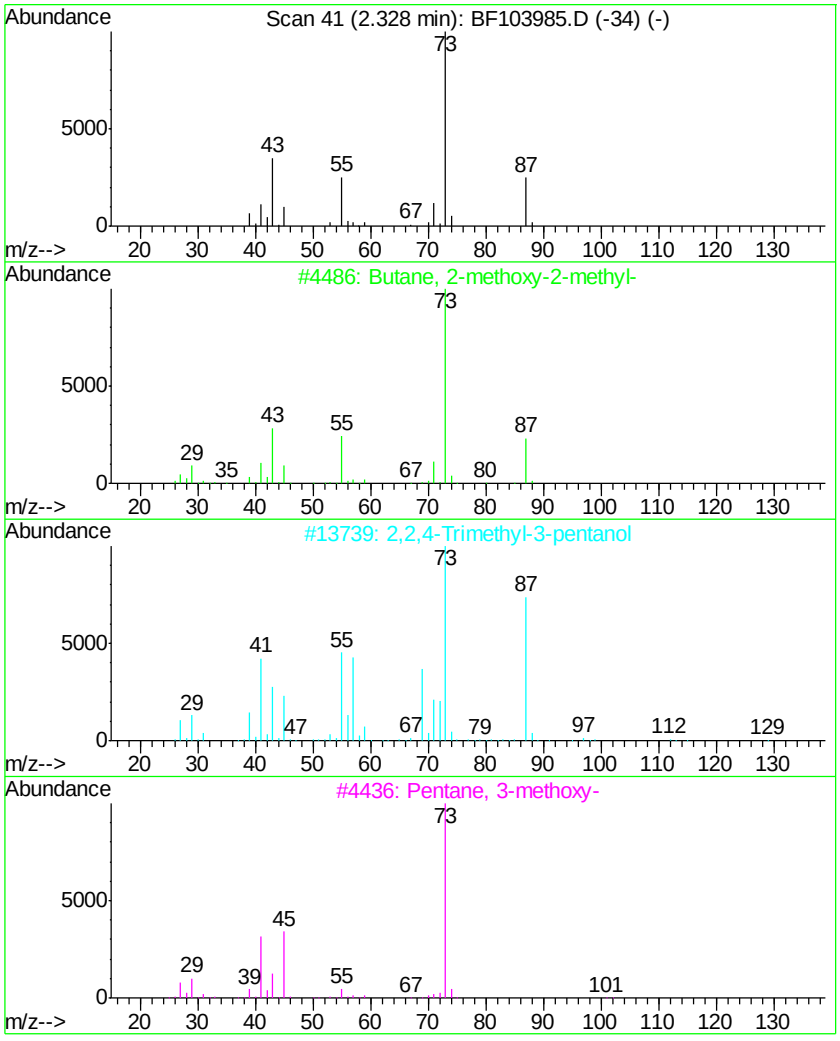
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

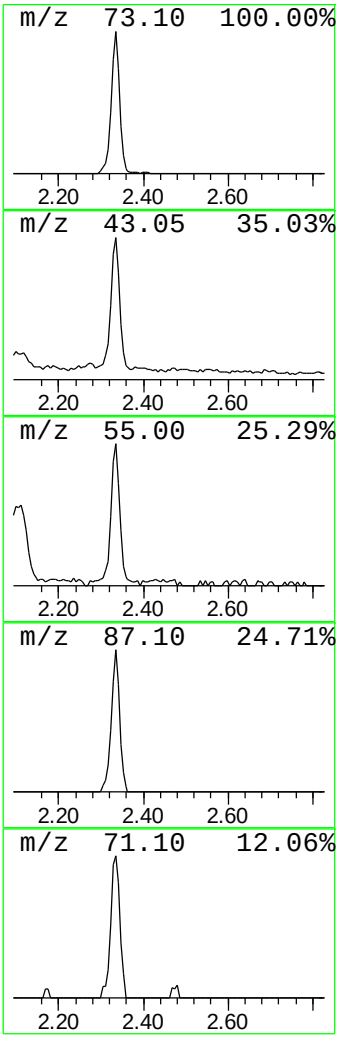
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	4.27 ng	172141	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

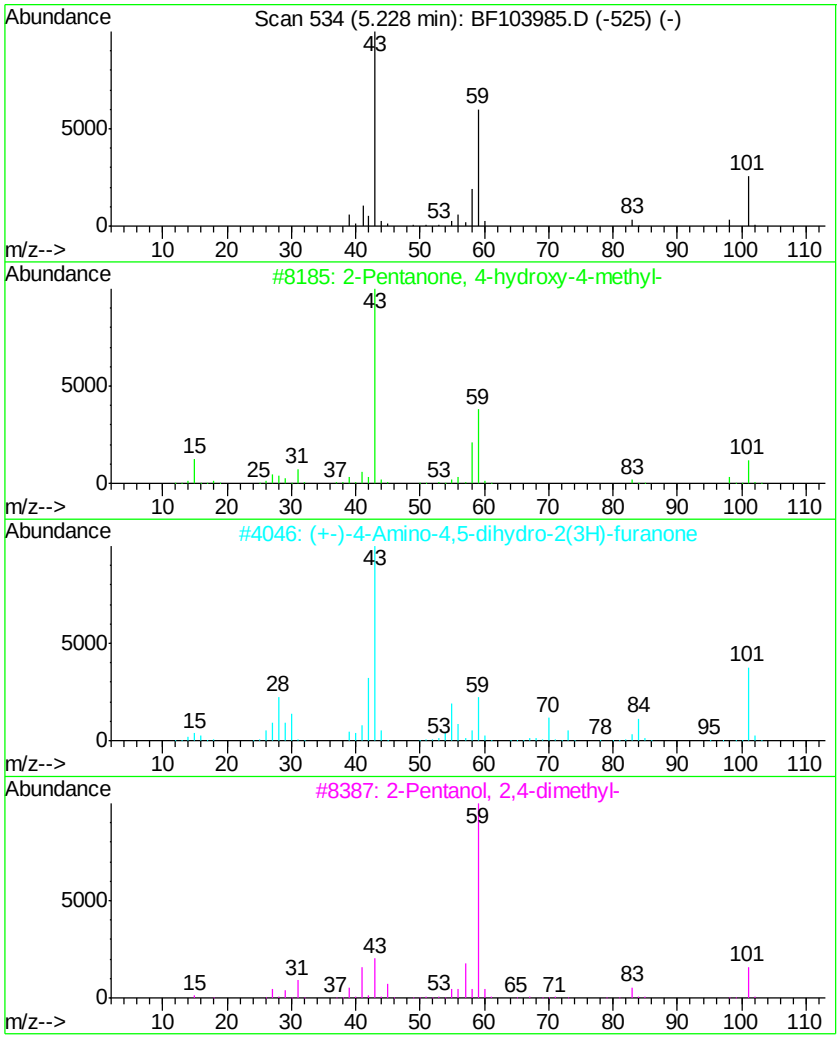
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

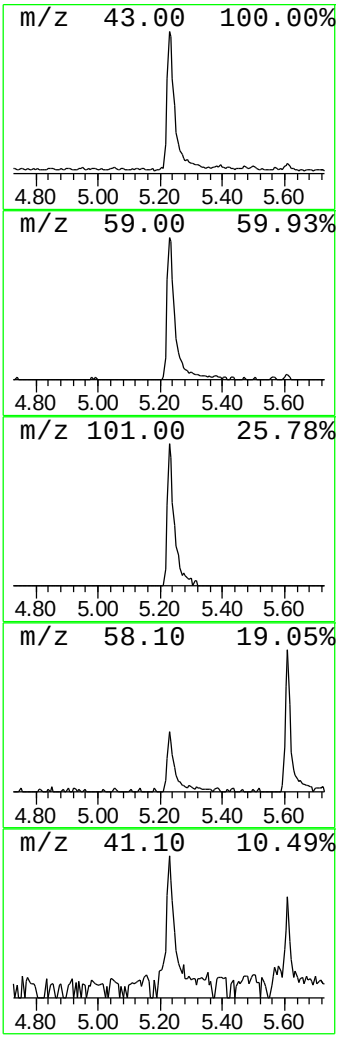
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	4.16 ng	167489	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	32
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	23
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	17
5	Acetone	58	C3H6O	000067-64-1	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

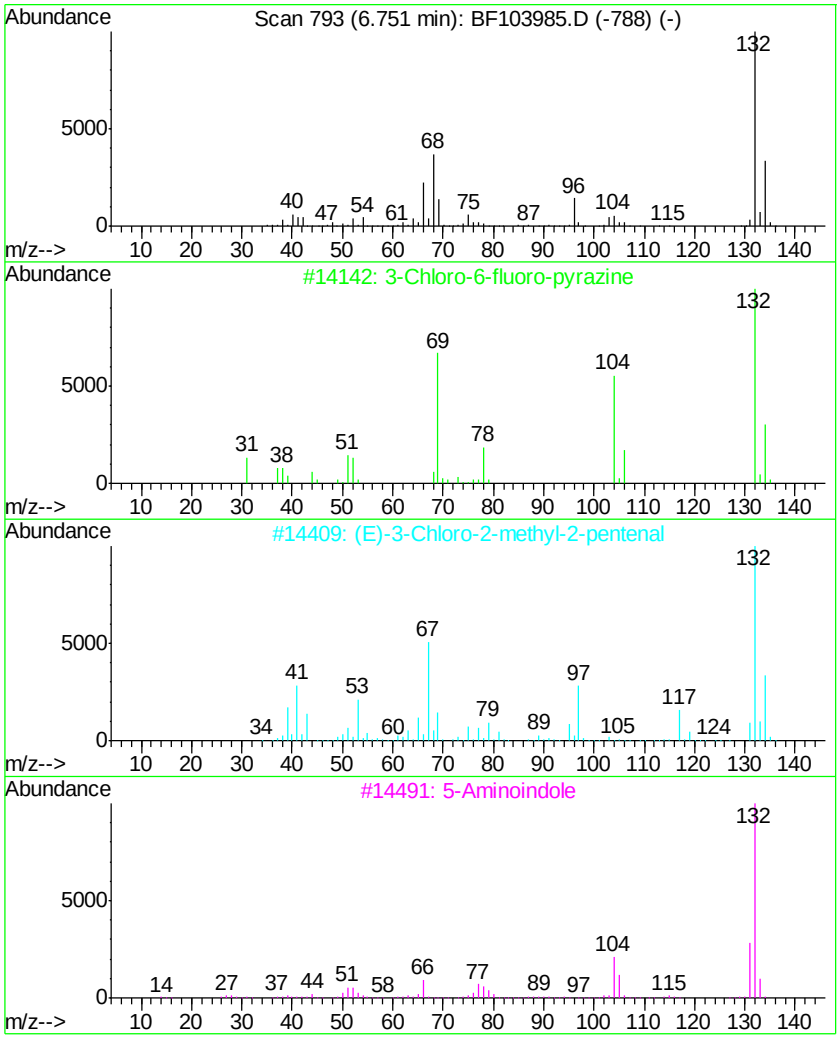
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

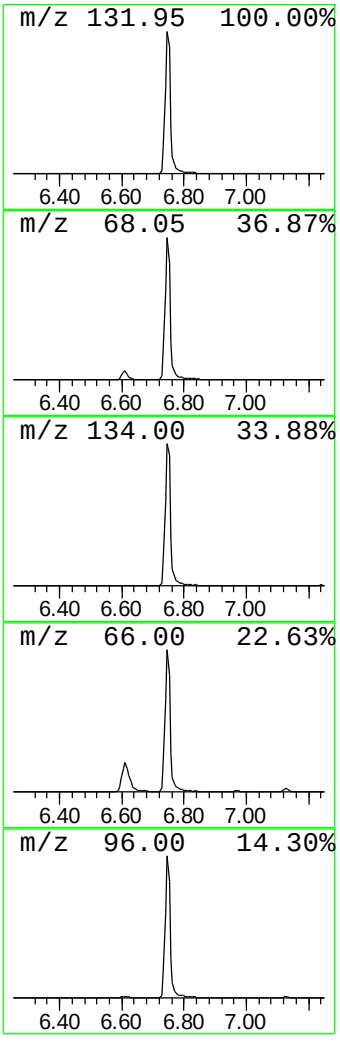
****

Peak Number 3 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	87.73 ng	3534180	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103985.D
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Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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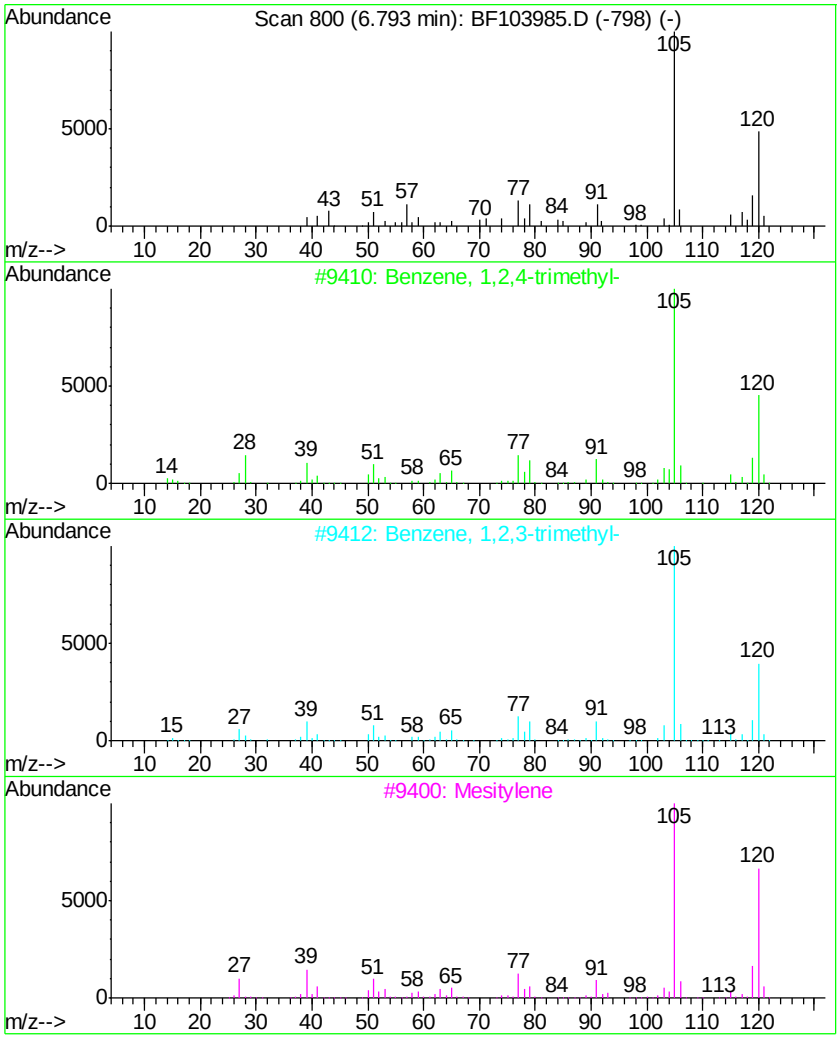
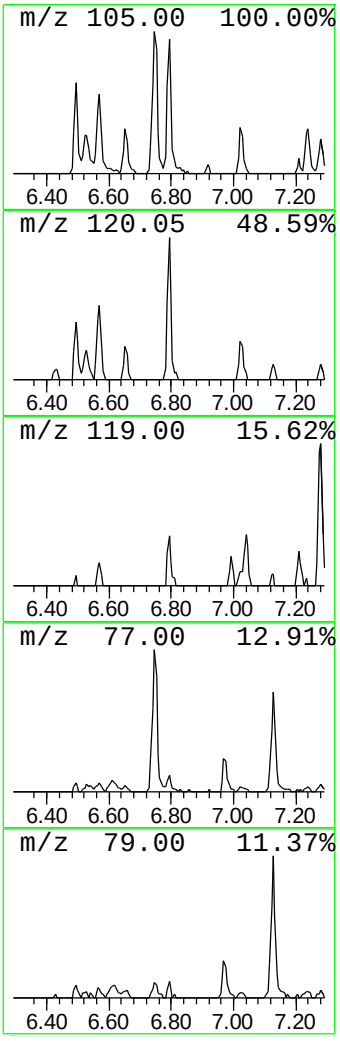
Peak Number 4 Benzene, 1,2,4-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	3.66 ng	147345	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3	Mesitylene	120	C9H12	000108-67-8	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

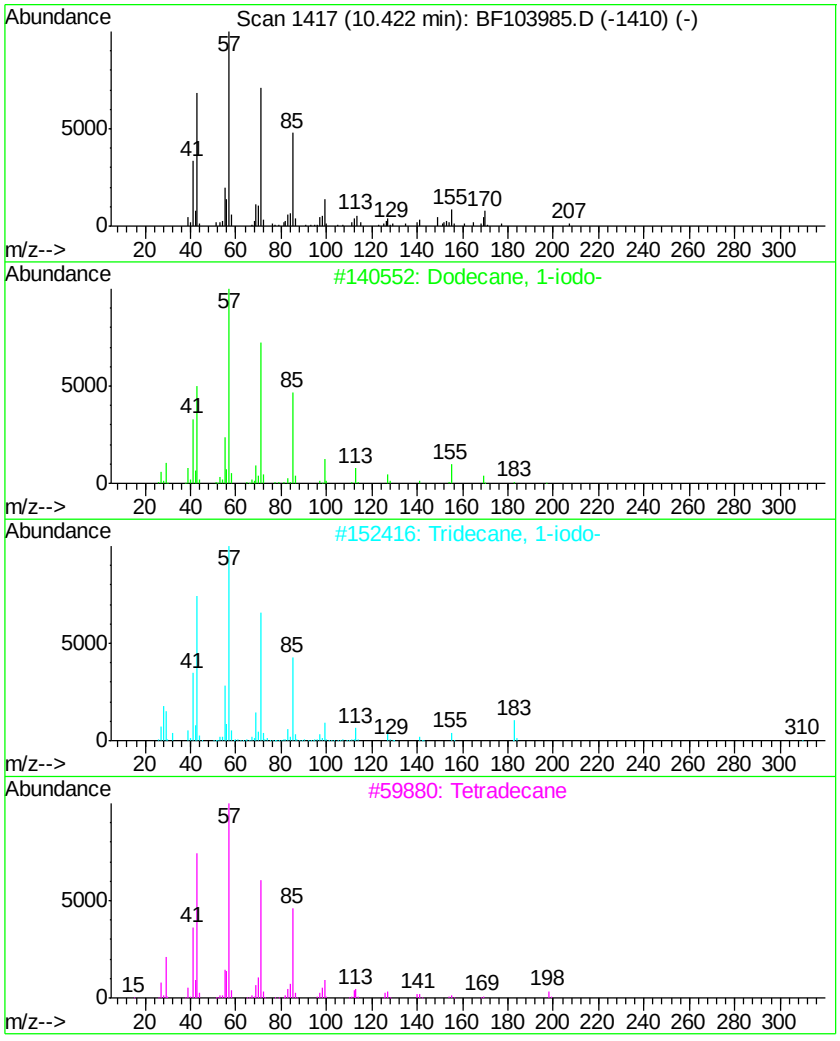
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

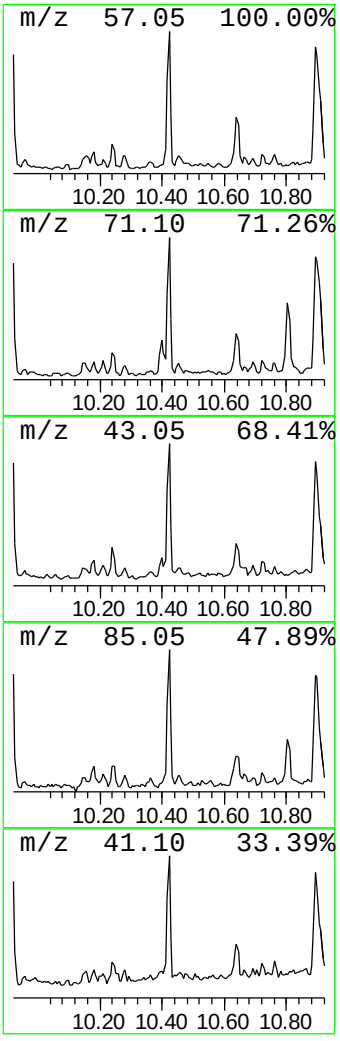
****

Peak Number 6 Dodecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	2.90 ng	155837	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
3	Tetradecane	198	C14H30	000629-59-4	83
4	Hexadecane	226	C16H34	000544-76-3	80
5	Pentadecane	212	C15H32	000629-62-9	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

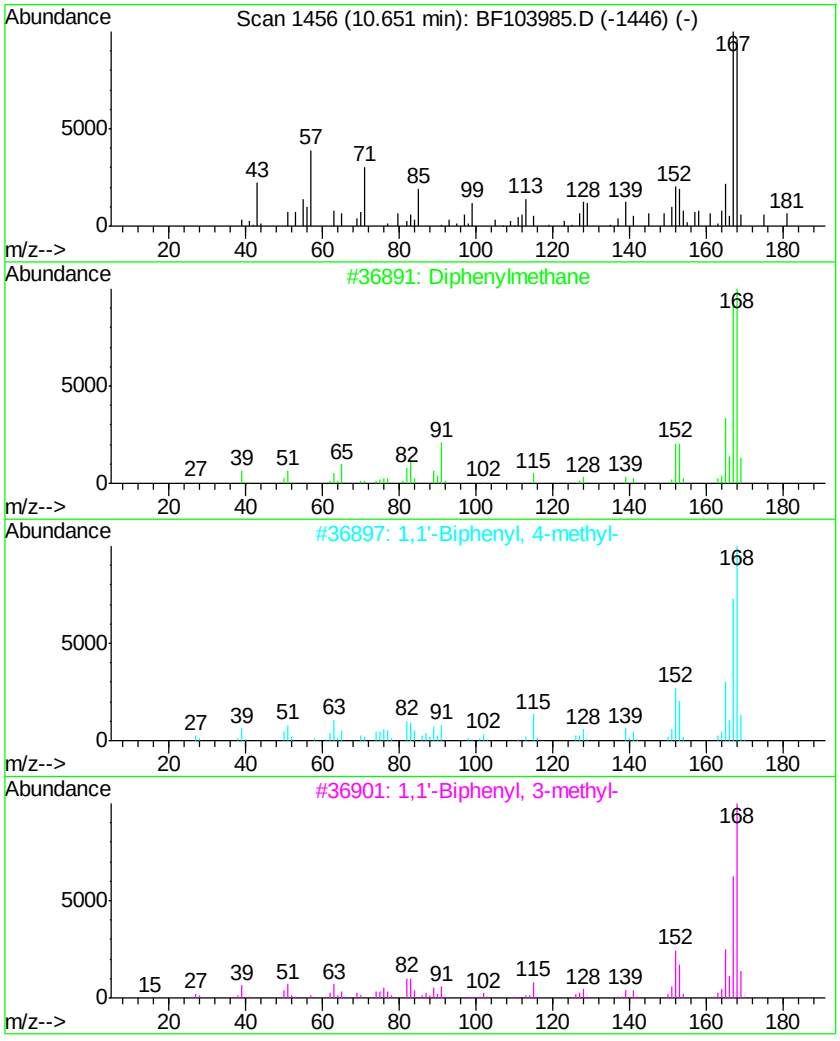
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

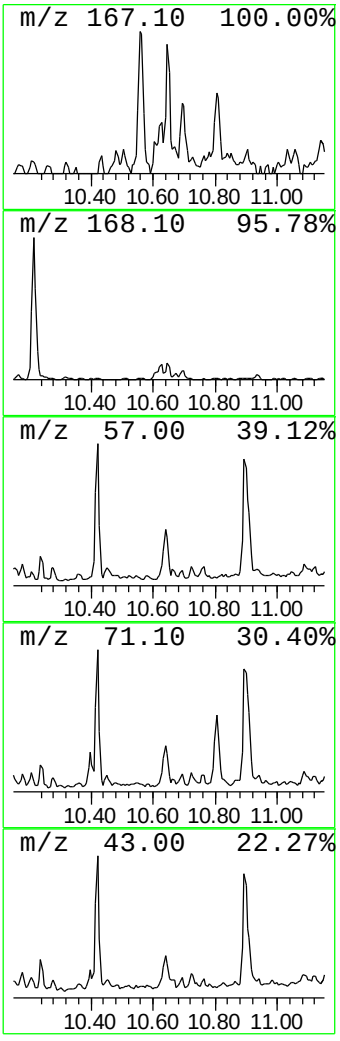
****

Peak Number 7 Diphenylmethane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	2.23 ng	120051	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	64
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	62
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	52
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	46





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Operator : JU/SJ
Sample : J2071-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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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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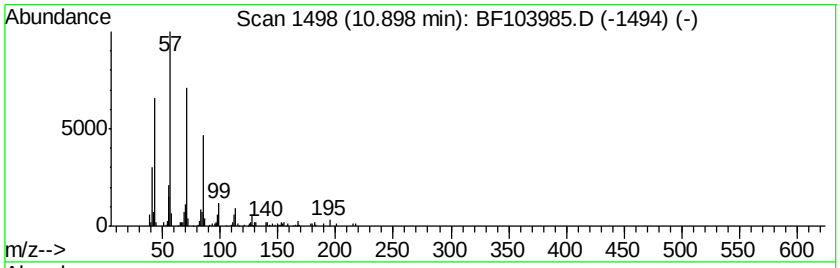
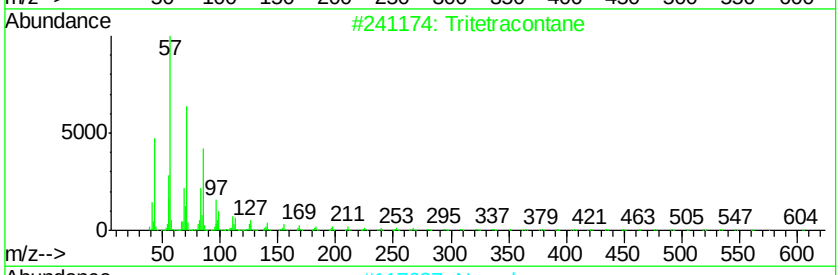
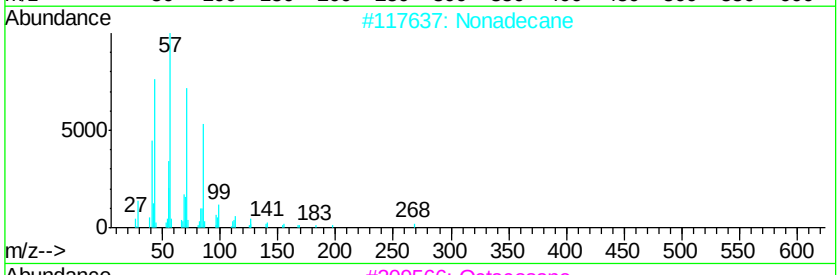
Peak Number 8 Tritetracontane Concentration Rank 9

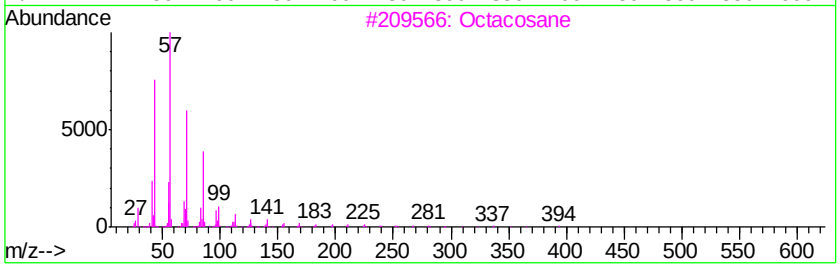
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	4.09 ng	200358	Phenanthrene-d10	11.50

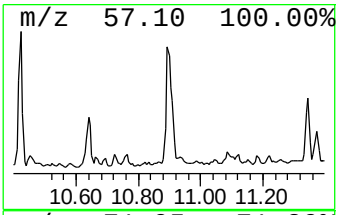
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	90
2	Nonadecane	268	C19H40	000629-92-5	90
3	Octacosane	394	C28H58	000630-02-4	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Tetradecane	198	C14H30	000629-59-4	86

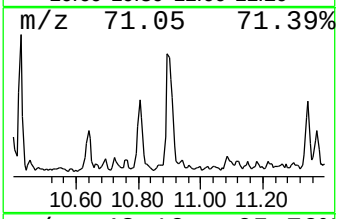


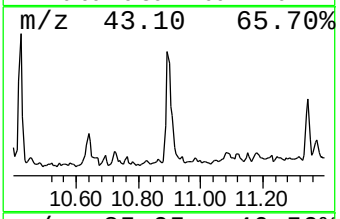


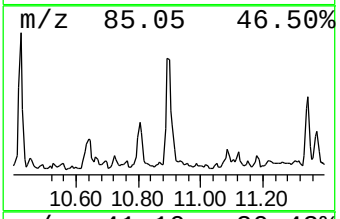


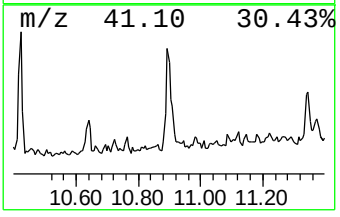












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Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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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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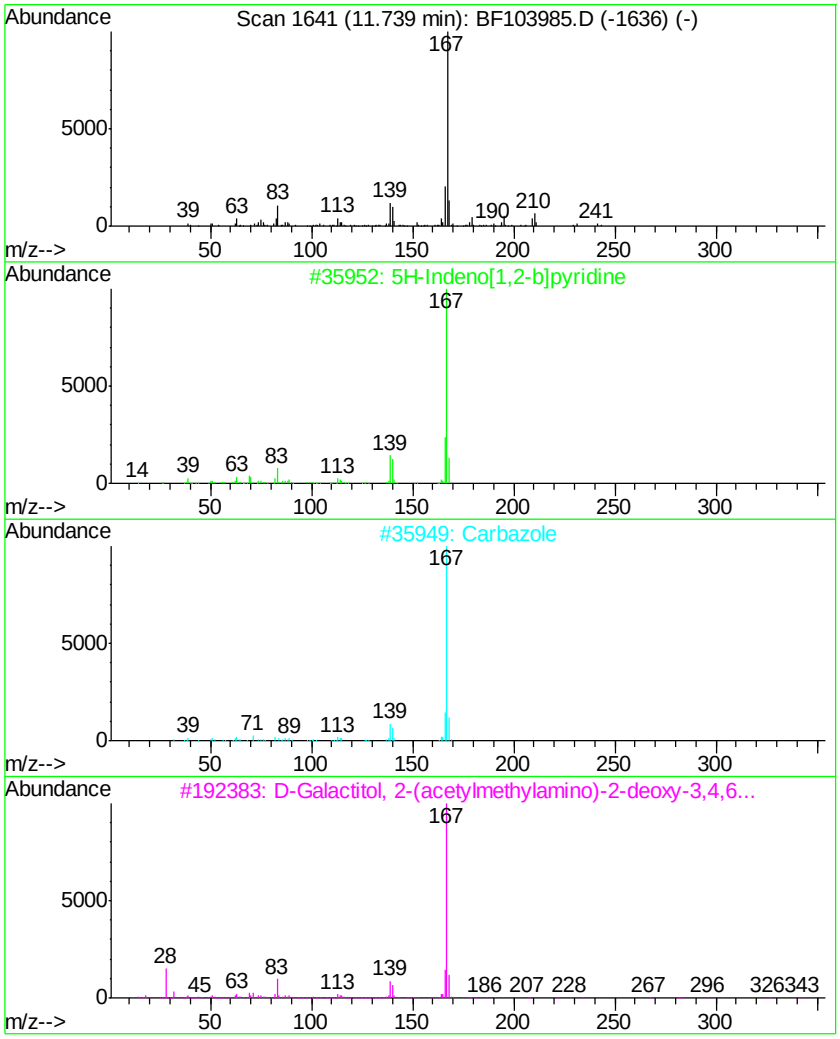
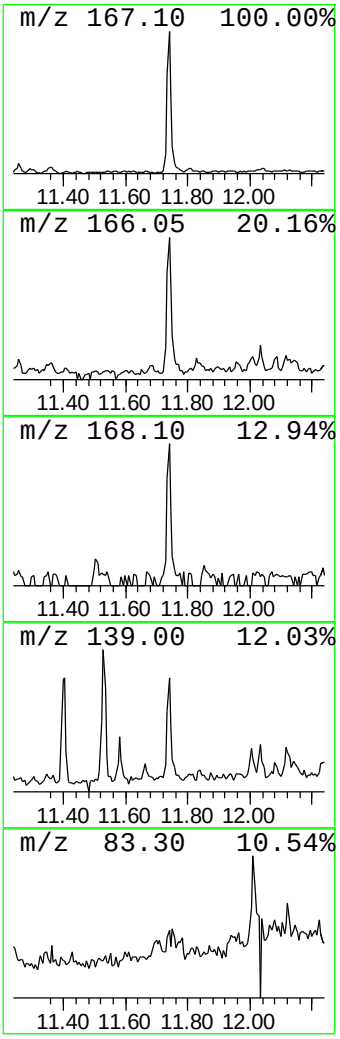
Peak Number 9 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.68 ng	131275	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	87
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	72
5	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	62





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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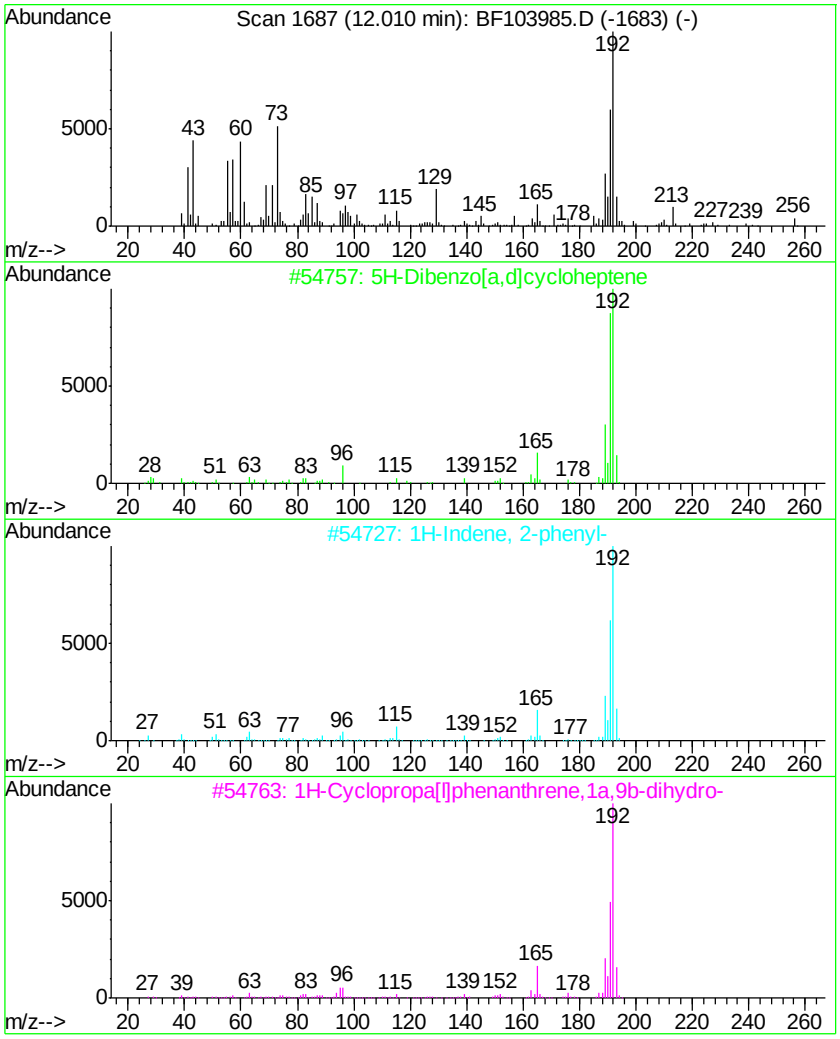
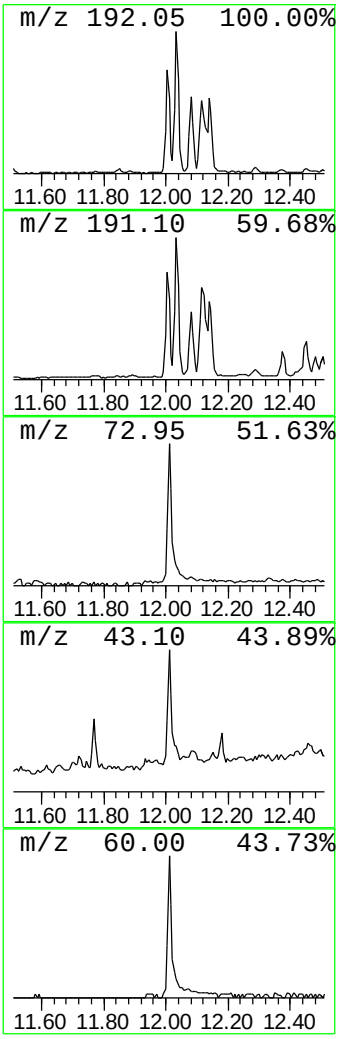
Peak Number 10 5H-Dibenzo[a,d]cycloheptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.77 ng	283059	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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ClientSampleId : TP-1-MH-D-S

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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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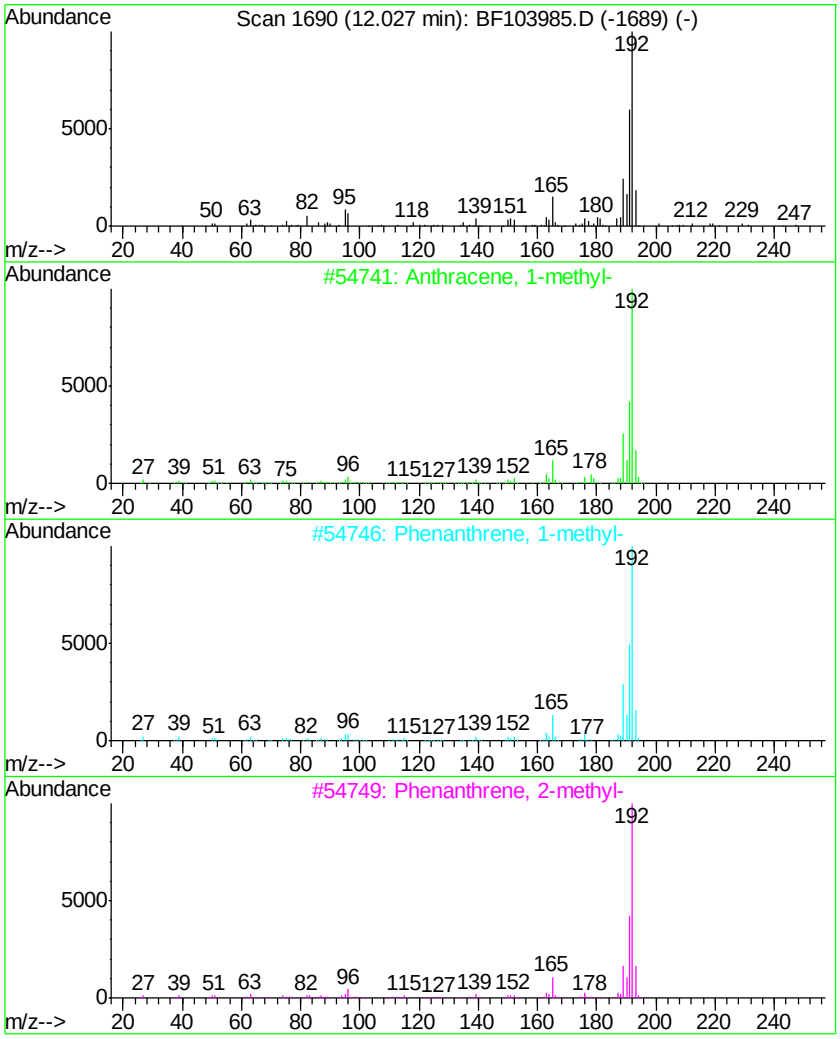
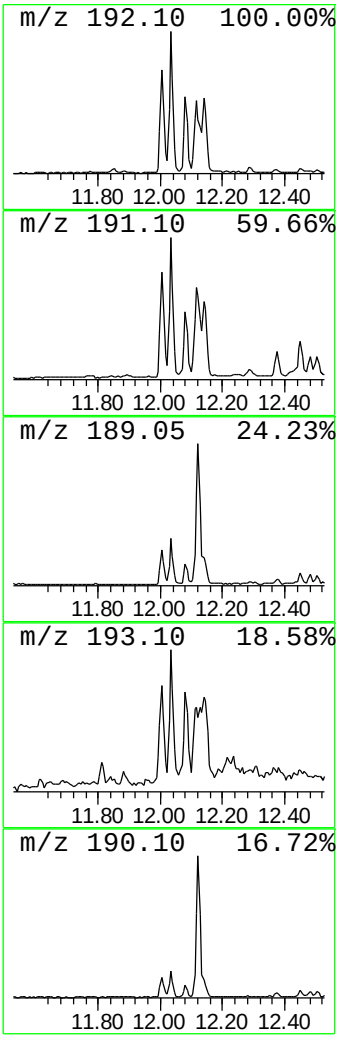
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.73 ng	182867	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Library Search Compound Report

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Sample : J2071-01
Misc :
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Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

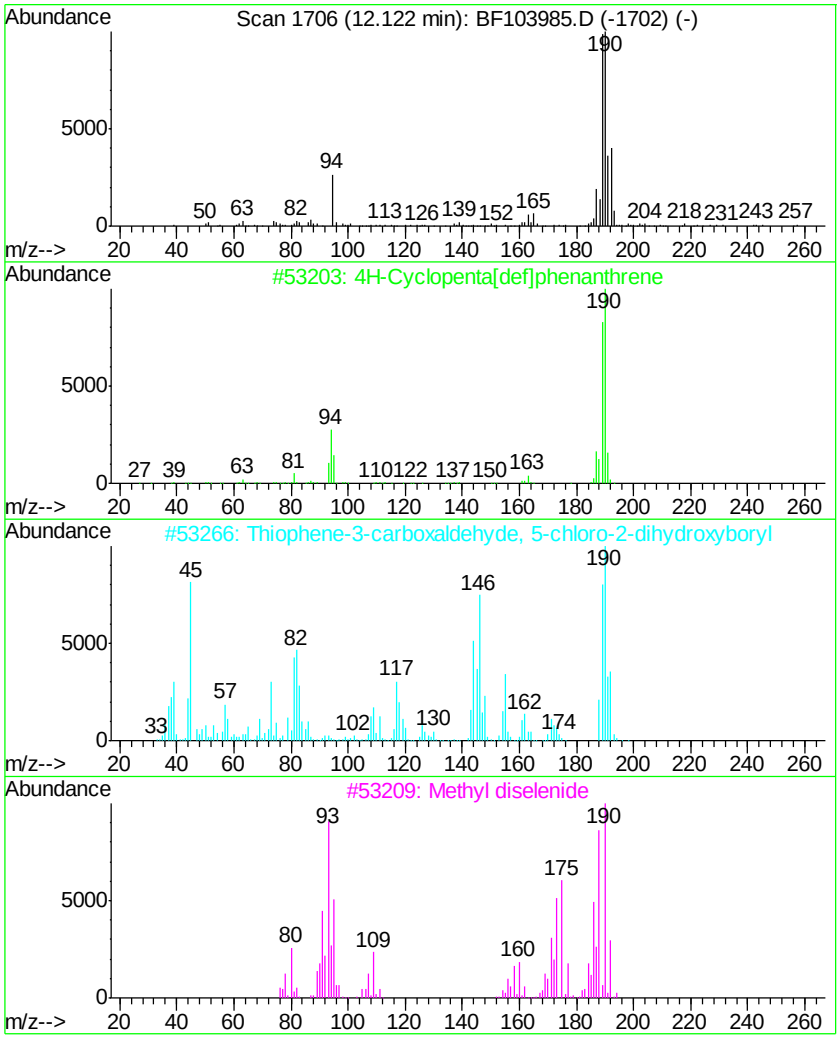
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

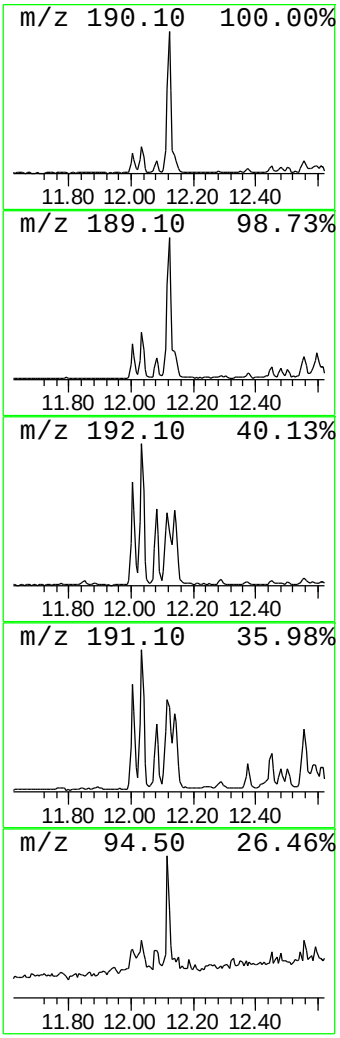
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.24 ng	256960	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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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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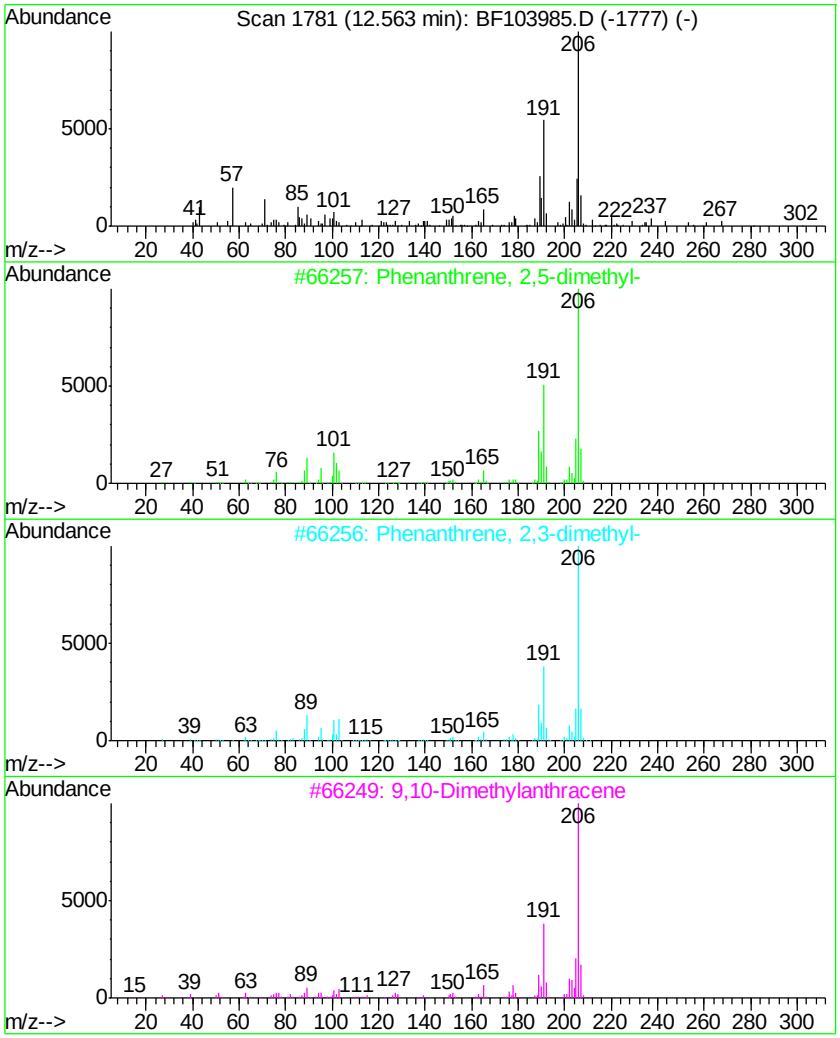
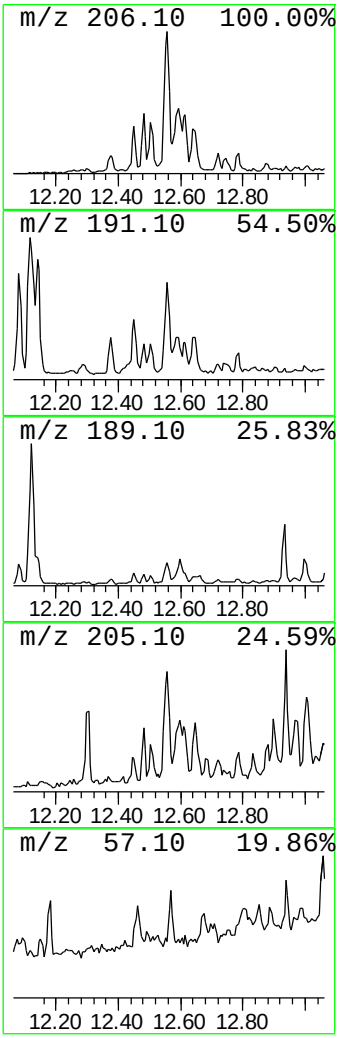
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.06 ng	150304	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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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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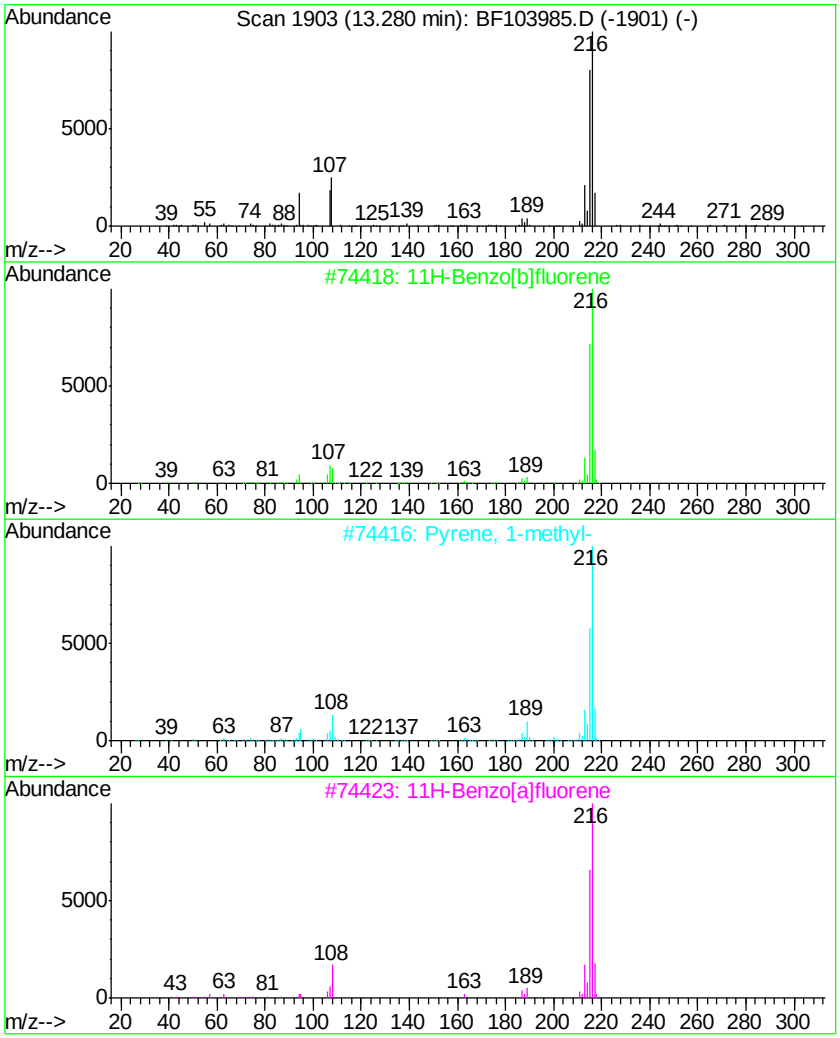
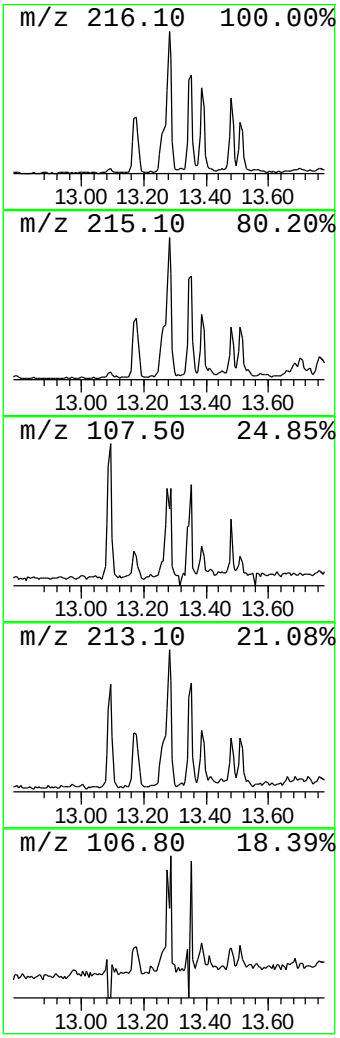
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.43 ng	193783	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	59
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	40





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

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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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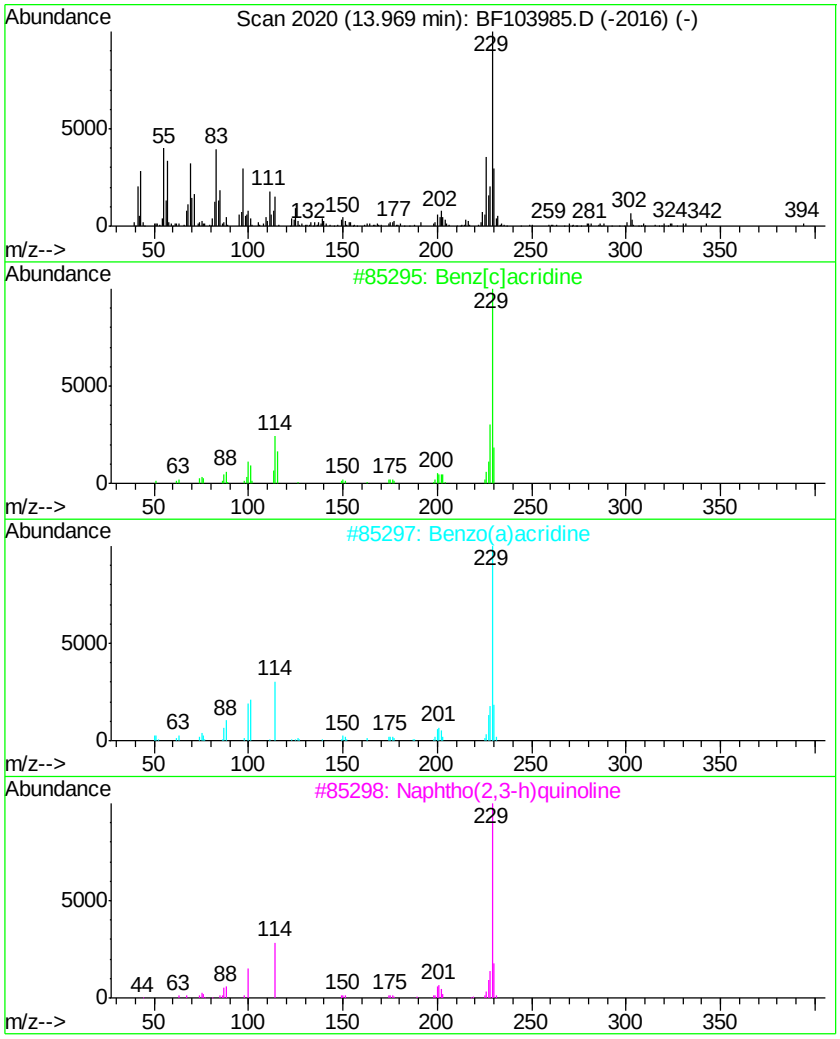
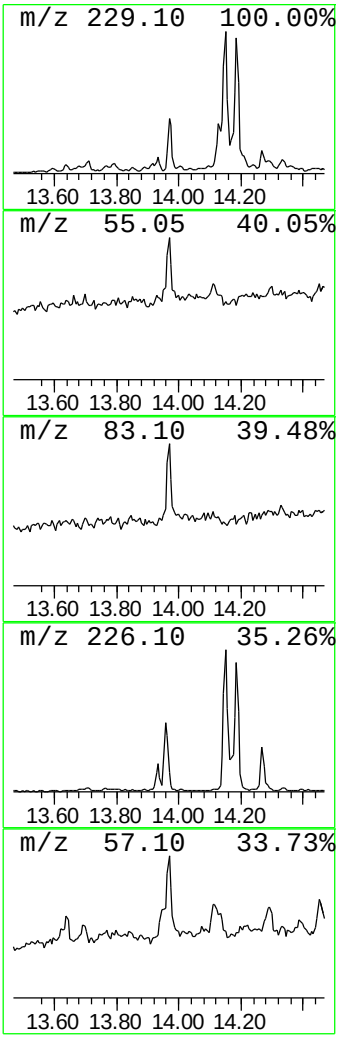
Peak Number 15 Benz[c]acridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.23 ng	256906	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	55
2	Benzo(a)acridine	229	C17H11N	000225-11-6	49
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	43
4	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	37
5	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	33





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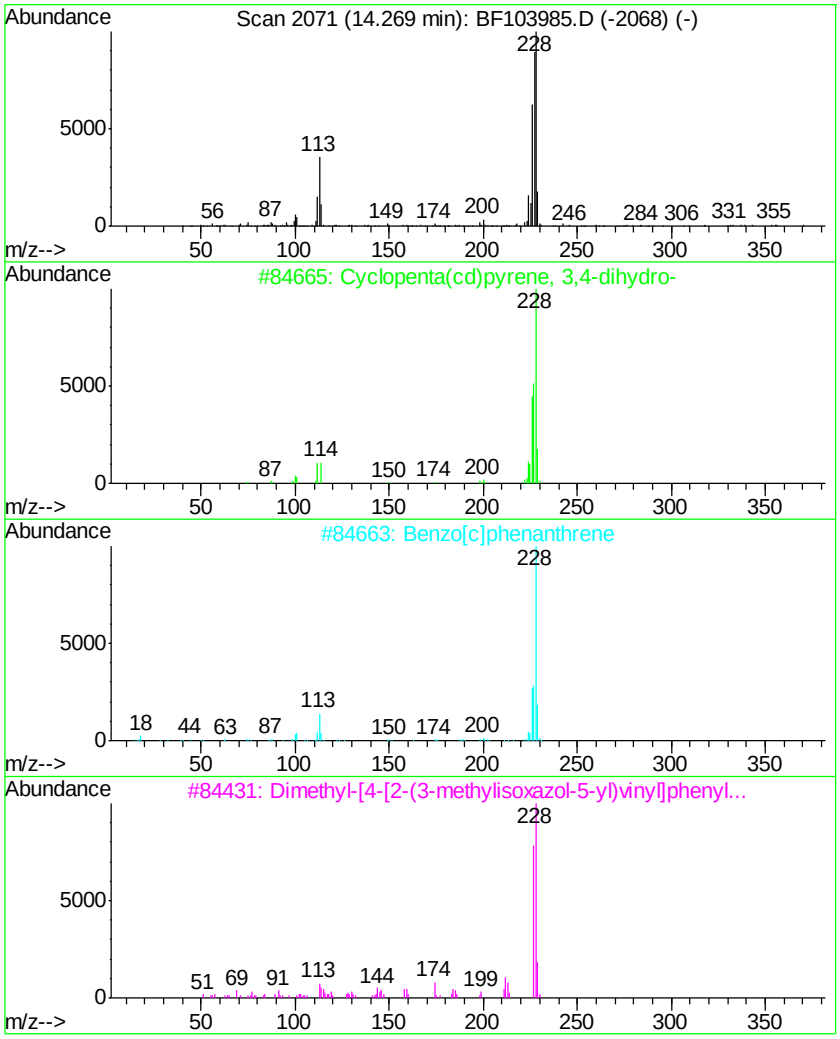
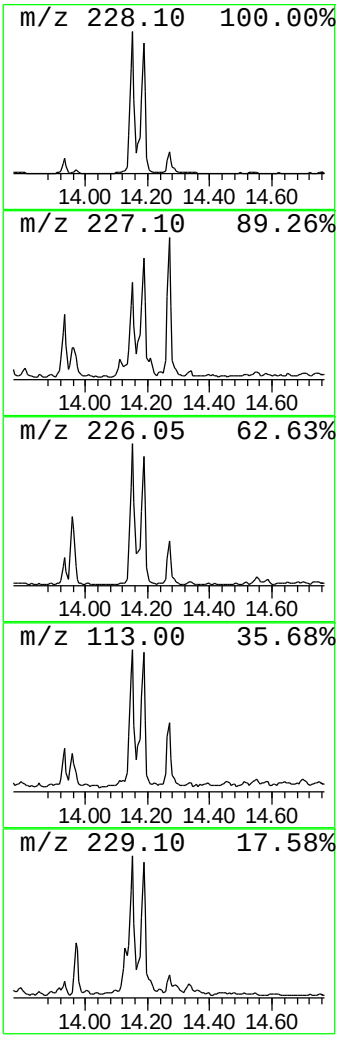
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.10 ng	166911	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	92
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47





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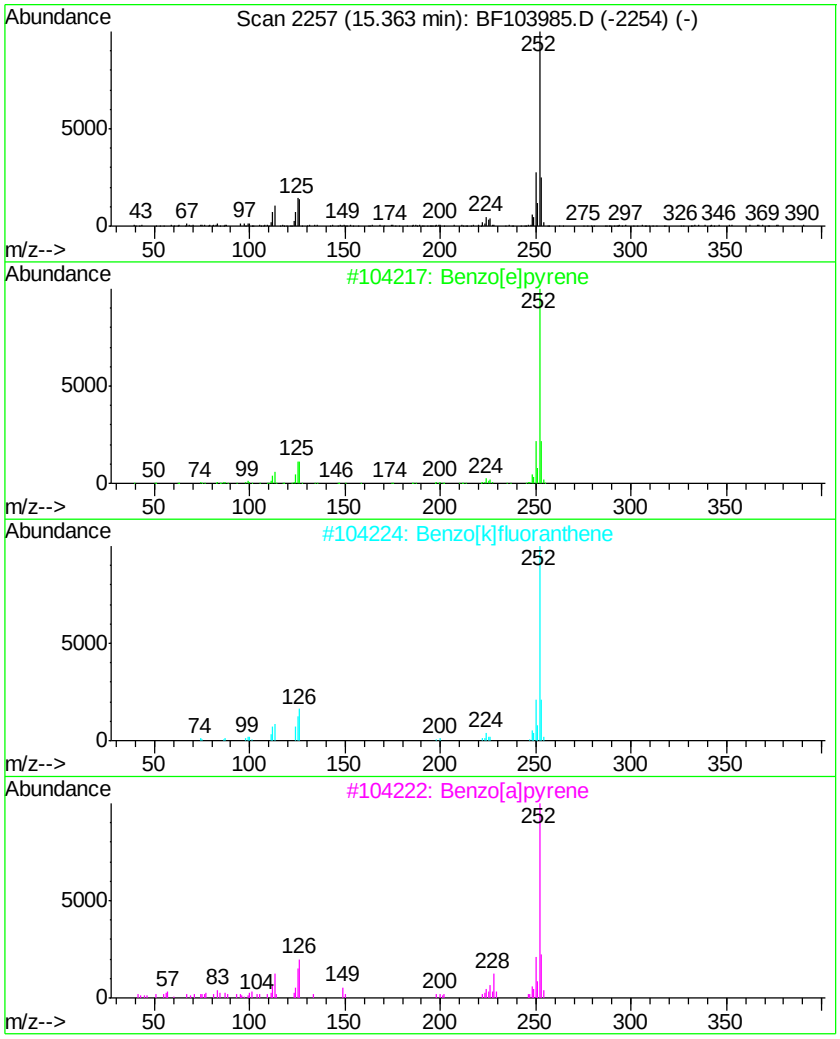
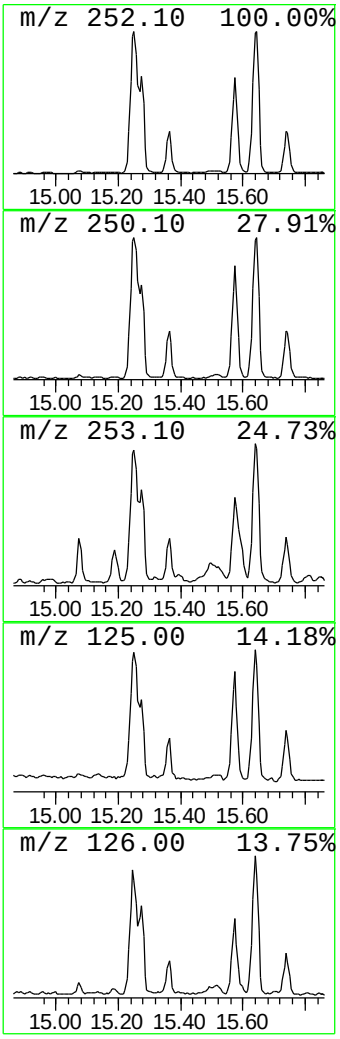
Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	7.52 ng	252280	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

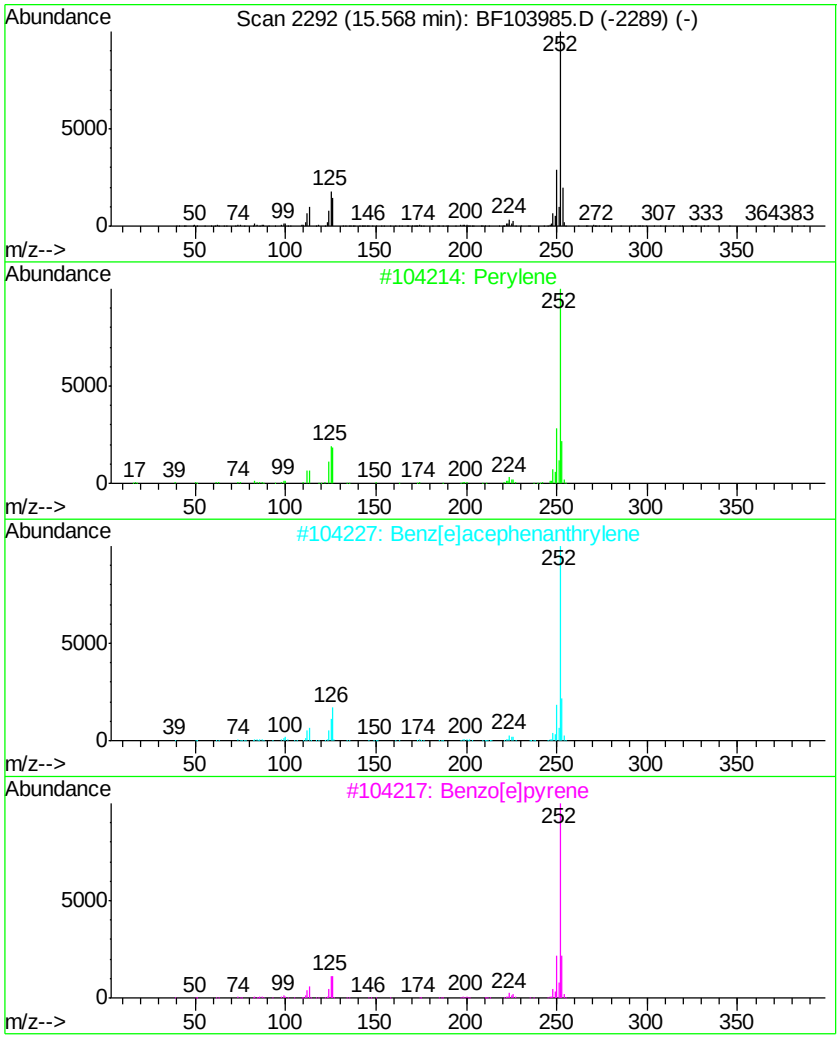
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

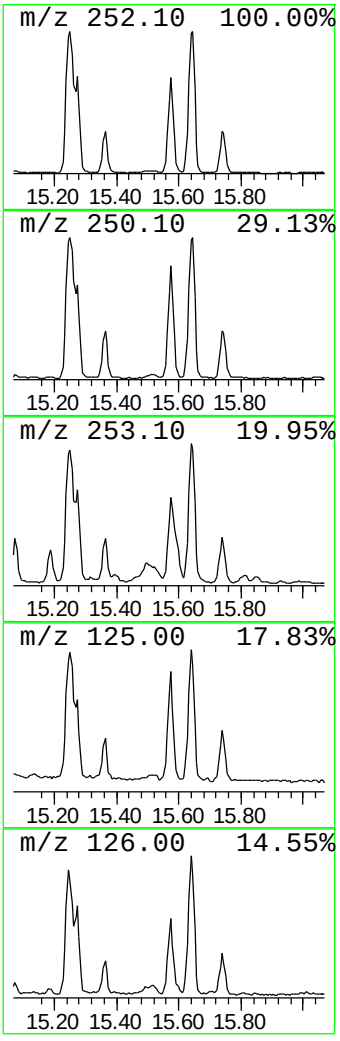
****

Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	20.76 ng	696100	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	97
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032718\
Data File : BF103985.D
Acq On : 27 Mar 2018 22:06
Operator : JU/SJ
Sample : J2071-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-MH-D-S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
Butane, 2-methoxy...	2.33	4.3	ng	172141	1	6.97	805661	20.0
2-Pentanone, 4-hy...	5.23	4.2	ng	167489	1	6.97	805661	20.0
unknown6.75	6.75	87.7	ng	3534180	1	6.97	805661	20.0
Benzene, 1,2,4-tr...	6.79	3.7	ng	147345	1	6.97	805661	20.0
Dodecane, 1-iodo-	10.42	2.9	ng	155837	3	10.01	1074460	20.0
Diphenylmethane	10.65	2.2	ng	120051	3	10.01	1074460	20.0
Tritetracontane	10.90	4.1	ng	200358	4	11.50	980888	20.0
5H-Indeno[1,2-b]p...	11.74	2.7	ng	131275	4	11.50	980888	20.0
5H-Dibenzo[a,d]cy...	12.01	5.8	ng	283059	4	11.50	980888	20.0
Anthracene, 1-met...	12.03	3.7	ng	182867	4	11.50	980888	20.0
4H-Cyclopenta[def...	12.12	5.2	ng	256960	4	11.50	980888	20.0
Phenanthrene, 2,5...	12.56	3.1	ng	150304	4	11.50	980888	20.0
11H-Benzo[b]fluorene	13.28	2.4	ng	193783	5	14.16	1592480	20.0
Benz[c]acridine	13.97	3.2	ng	256906	5	14.16	1592480	20.0
Cyclopenta(cd)pyr...	14.27	2.1	ng	166911	5	14.16	1592480	20.0
Benzo[e]pyrene	15.36	7.5	ng	252280	6	15.71	670546	20.0
Perylene	15.57	20.8	ng	696100	6	15.71	670546	20.0