LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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	2.287	30	34	40	rVB	222502	291974	4.23%	0.246%
2	5.592	590	596	599	rBV	2326910	2035942	29.46%	1.714%
3	6.592	761	766	770	rBV2	2314935	2238604	32.39%	1.884%
4	6.745	788	792	795	rVB	2217979	2070053	29.96%	1.742%
5	6.975	828	831	835	rVB	1385315	1135001	16.42%	0.955%
6	7.134	852	858	860	rBV	1946469	1599725	23.15%	1.346%
7	7.534	923	926	929	rBV	1400901	1233546	17.85%	1.038%
8	7.992	1001	1004	1010	rVV2	300040	454968	6.58%	0.383%
9	8.039	1010	1012	1020	rVB	222597	292243	4.23%	0.246%
10	8.263	1046	1050	1051	rVV	1579738	1428155	20.67%	1.202%
11	8.281	1051	1053	1056	rVV	2372052	1963205	28.41%	1.652%
12	8.975	1167	1171	1174	rVB	2787102	2148178	31.09%	1.808%
13	9.075	1183	1188	1191	rBV	3262158	2735691	39.59%	2.303%
14	9.333	1228	1232	1235	rVB	2479654	1899184	27.48%	1.599%
15	9.433	1247	1249	1255	rVB	395890	320471	4.64%	0.270%
16	9.533	1263	1266	1271	rVB	550674	641169	9.28%	0.540%
17	9.604	1273	1278	1281	rBV	1264001	1624665	23.51%	1.367%
18	9.675	1286	1290	1293	rVV	2002941	2107005	30.49%	1.773%
19	9.704	1293	1295	1297	rVV	1299807	1045843	15.13%	0.880%
20	9.722	1297	1298	1305	rVB2	490147	518366	7.50%	0.436%
21	9.792	1306	1310	1315	rBV	1082228	1186855	17.17%	0.999%
22	9.880	1322	1325	1328	rVB2	1093284	998527	14.45%	0.840%
23	9.998	1342	1345	1346	rBV	386351	332377	4.81%	0.280%
24	10.022	1346	1349	1351	rVV	1435911	1198078	17.34%	1.008%
25	10.051	1351	1354	1357	rVB	2071440	1761433	25.49%	1.483%
26	10.122	1362	1366	1370	rBV2	359405	503104	7.28%	0.423%
27	10.222	1379	1383	1386	rVV2	1334845	1390724	20.12%	1.171%
28	10.257	1386	1389	1393	rVV	665781	532586	7.71%	0.448%
29	10.333	1398	1402	1404	rBV2	596256	607575	8.79%	0.511%
30	10.363	1404	1407	1413	rVB	448174	405978	5.87%	0.342%
31	10.427	1413	1418	1419	rBV3	383820	593482	8.59%	0.500%
32	10.569	1439	1442	1447	rVV	2505917	2480680	35.90%	2.088%
33	10.633	1451	1453	1454	rVV2	399890	335097	4.85%	0.282%
34	10.651	1454	1456	1459	rVV2	520076	557667	8.07%	0.469%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.680	1459	1461	1463	rVV	335525	289261	4.19%	0.243%
36	10.722	1463	1468	1472	rVV3	467559	666190	9.64%	0.561%
37	10.810	1476	1483	1486	rVV2	1518659	1724871	24.96%	1.452%
38	10.927	1497	1503	1509	rVB3	395720	691751	10.01%	0.582%
39	11.116	1530	1535	1538	rVV2	776947	1028765	14.89%	0.866%
40	11.145	1538	1540	1543	rVV2	599552	548821	7.94%	0.462%
41	11.198	1546	1549	1552	rVV	506090	457380	6.62%	0.385%
42	11.245	1552	1557	1558	rVV4	223708	357765	5.18%	0.301%
43	11.263	1558	1560	1565	rVV3	271600	387267	5.60%	0.326%
44	11.357	1573	1576	1579	rVV2	356691	395783	5.73%	0.333%
45	11.410	1582	1585	1589	rVB	975484	833133	12.06%	0.701%
46	11.516	1599	1603	1604	rBV	1243723	1221131	17.67%	1.028%
47	11.545	1604	1608	1611	rVV	6633463	6910488	100.00%	5.817%
48	11.592	1613	1616	1618	rVV	2472625	2027020	29.33%	1.706%
49	11.621	1618	1621	1623	rVV2	353086	405009	5.86%	0.341%
50	11.739	1638	1641	1647	rVV	733104	778673	11.27%	0.655%
51	11.839	1656	1658	1662	rVV2	445460	453292	6.56%	0.382%
52	11.886	1663	1666	1669	rVB	1159114	895729	12.96%	0.754%
53	11.927	1669	1673	1677	rVB	320934	360793	5.22%	0.304%
54	12.016	1684	1688	1690	rVV	1521511	1380362	19.97%	1.162%
55	12.045	1690	1693	1696	rVB	1919038	1609185	23.29%	1.354%
56	12.092	1696	1701	1704	rBV	753034	733146	10.61%	0.617%
57	12.133	1704	1708	1710	rVV2	2367423	2931034	42.41%	2.467%
58	12.151	1710	1711	1714	rVB	1269346	663327	9.60%	0.558%
59	12.310	1734	1738	1740	rVV	789625	706495	10.22%	0.595%
60	12.339	1740	1743	1748	rVB3	276999	340088	4.92%	0.286%
61	12.486	1765	1768	1770	rVV	383226	336788	4.87%	0.283%
62	12.580	1777	1784	1786	rBV2	3437280	4307266	62.33%	3.625%
63	12.598	1786	1787	1793	rVB2	2761179	2598366	37.60%	2.187%
64	12.663	1793	1798	1799	rBV	329534	501759	7.26%	0.422%
65	12.680	1799	1801	1805	rVB2	559919	578222	8.37%	0.487%
66	12.739	1806	1811	1814	rBV	5555806	5857659	84.76%	4.930%
67	12.827	1823	1826	1828	rVB	333816	310232	4.49%	0.261%
68	12.886	1832	1836	1838	rBV	363114	366959	5.31%	0.309%
69	12.968	1843	1850	1854	rBV2	5069321	6847878	99.09%	5.764%
70	13.010	1854	1857	1861	rVB2	441847	489652	7.09%	0.412%
71	13.098	1865	1872	1874	rBV2	1751418	1878148	27.18%	1.581%

LSC Area Percent Report

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Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.174	1881	1885	1889	rBV2	604109	951923	13.78%	0.801%
73	13.263	1896	1900	1901	rVV3	527068	595979	8.62%	0.502%
74	13.286	1901	1904	1907	rVV	1465598	1495945	21.65%	1.259%
75	13.357	1913	1916	1918	rVV	1285535	1207123	17.47%	1.016%
76	13.392	1918	1922	1925	rVV2	920488	1051540	15.22%	0.885%
77	13.486	1935	1938	1940	rVV	644433	546907	7.91%	0.460%
78	13.515	1940	1943	1950	rVB	693454	709786	10.27%	0.597%
79	13.768	1983	1986	1988	rBV	295618	352803	5.11%	0.297%
80	13.910	2005	2010	2012	rBV2	486903	567204	8.21%	0.477%
81	13.933	2012	2014	2017	rBV	437534	360464	5.22%	0.303%
82	13.962	2017	2019	2020	rBV	316060	281520	4.07%	0.237%
83	14.151	2047	2051	2055	rBV2	2596994	3620975	52.40%	3.048%
84	14.192	2055	2058	2062	rVB	2134815	2121768	30.70%	1.786%
85	14.268	2068	2071	2073	rBV	392689	312893	4.53%	0.263%
86	14.380	2087	2090	2094	rBV3	186413	289964	4.20%	0.244%
87	14.545	2113	2118	2121	rBV	707014	779737	11.28%	0.656%
88	14.580	2121	2124	2126	rVV	341392	308178	4.46%	0.259%
89	14.610	2126	2129	2133	rVV3	231754	432911	6.26%	0.364%
90	14.674	2137	2140	2142	rVV	390128	369696	5.35%	0.311%
91	14.698	2142	2144	2147	rVB	431553	351823	5.09%	0.296%
92	15.239	2231	2236	2239	rBV	1131465	2007773	29.05%	1.690%
93	15.345	2251	2254	2258	rVB	307770	330757	4.79%	0.278%
94	15.557	2287	2290	2296	rVB	786214	970716	14.05%	0.817%
95	15.627	2297	2302	2307	rVV	1308626	1632842	23.63%	1.374%
96	15.692	2308	2313	2316	rVV	802193	1135320	16.43%	0.956%
97	15.721	2316	2318	2325	rVB2	321331	451767	6.54%	0.380%
98	16.156	2388	2392	2397	rVB2	259713	380611	5.51%	0.320%
99	17.262	2574	2580	2587	rVB2	463604	944542	13.67%	0.795%
100	17.733	2656	2660	2671	rVB	334920	706499	10.22%	0.595%

Sum of corrected areas: 118807805

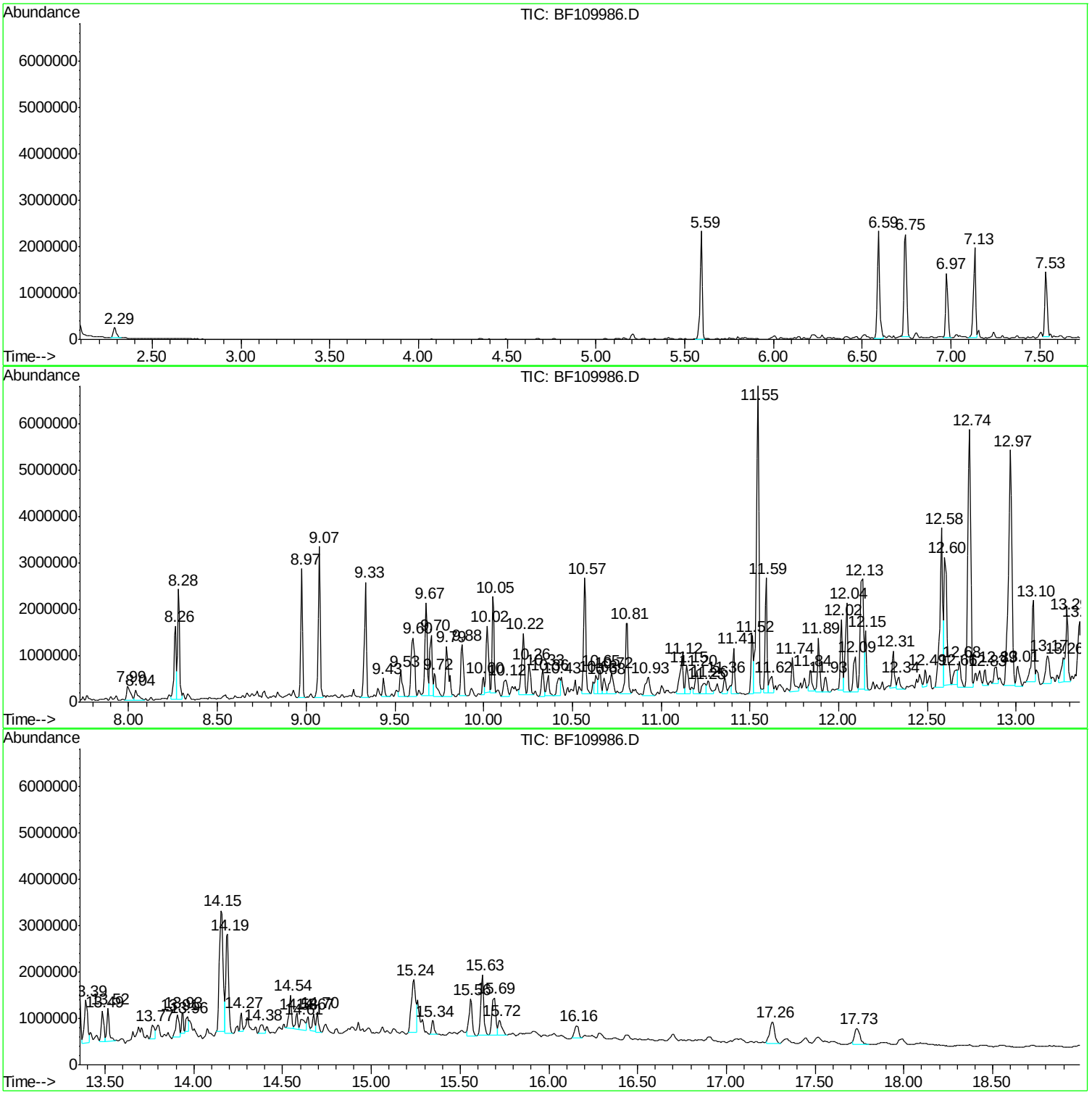
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

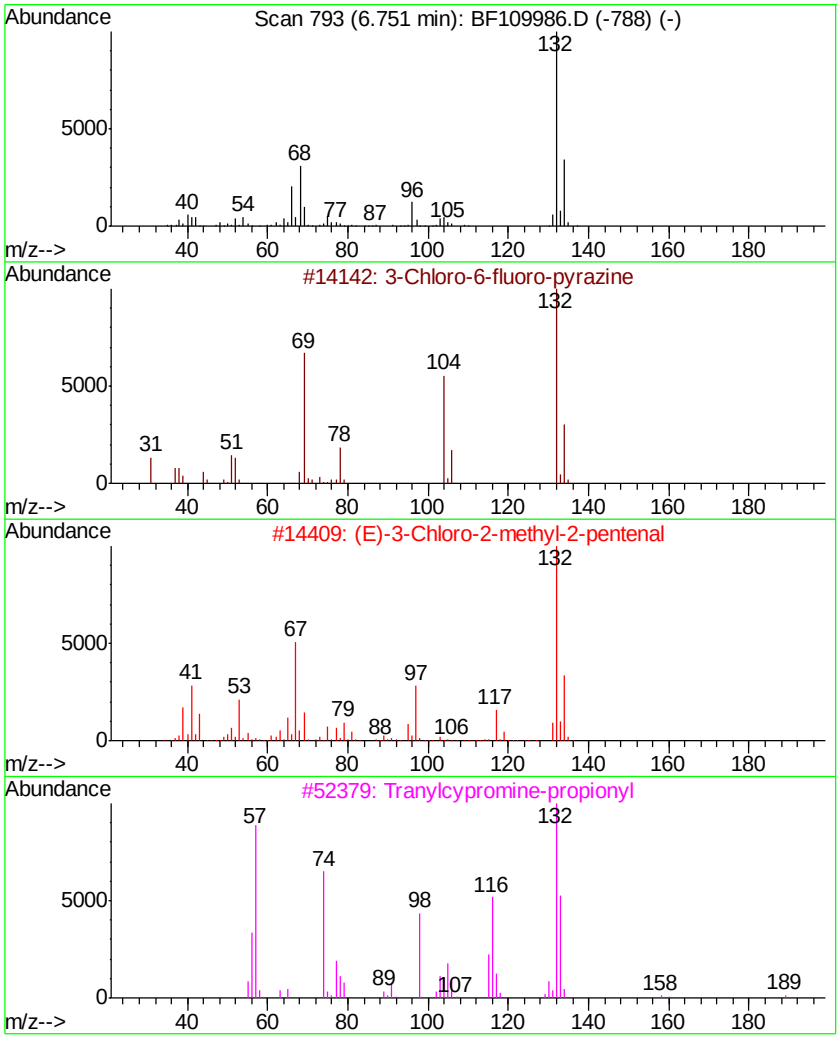
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

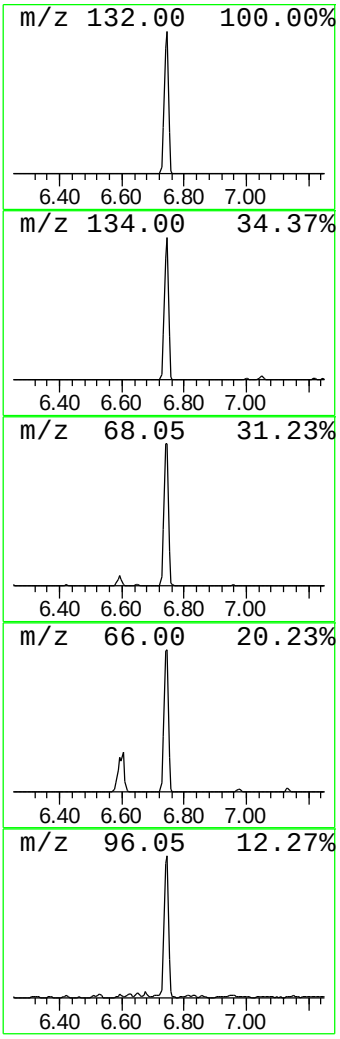
****

Peak Number 1 unknown6.75 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	36.48 ng	2070050	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

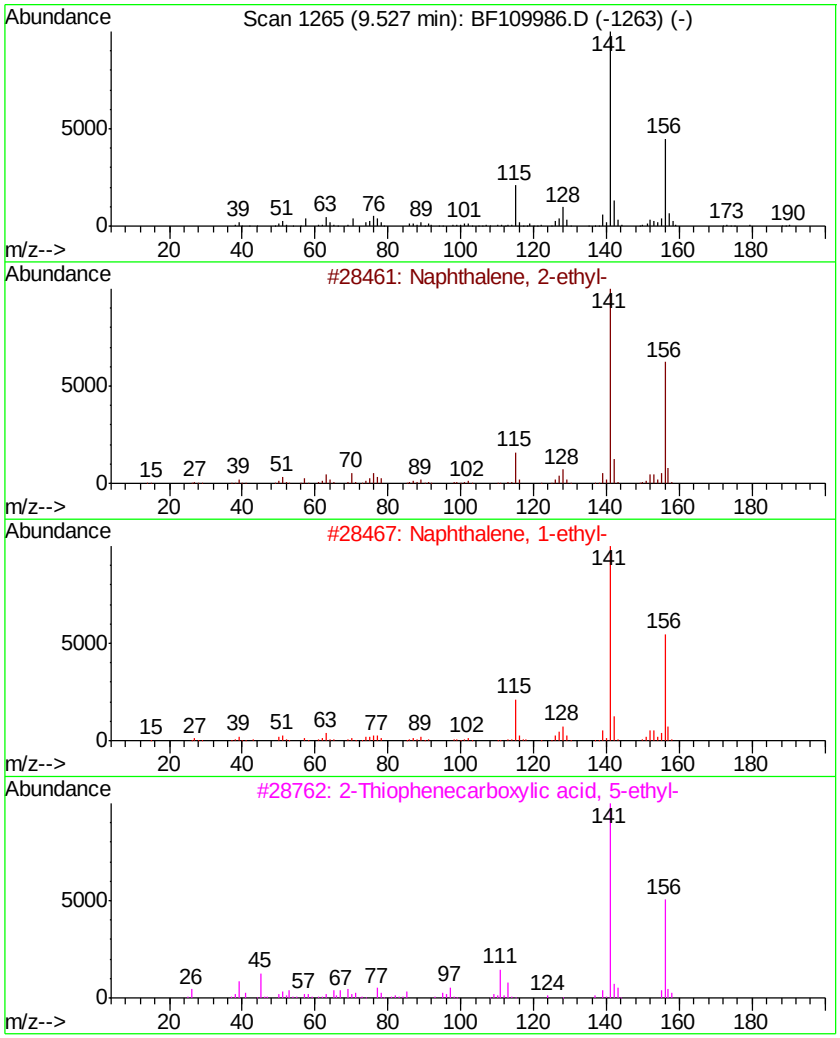
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

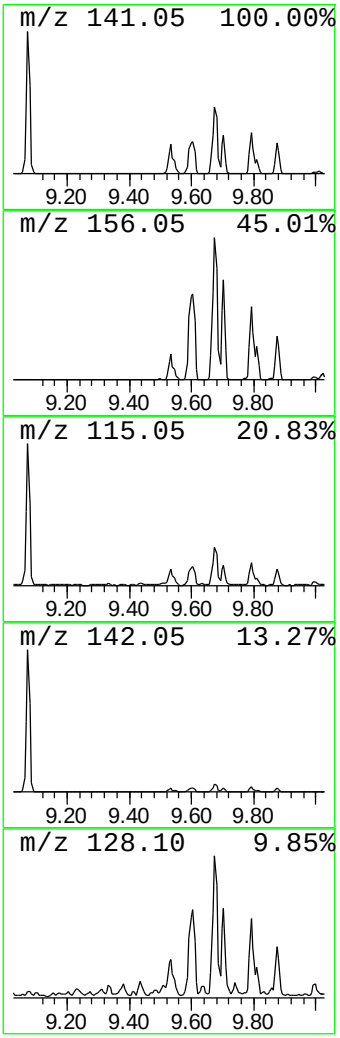
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	10.70 ng	641169	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	Butethal	212	C10H16N2O3	000077-28-1	59
5	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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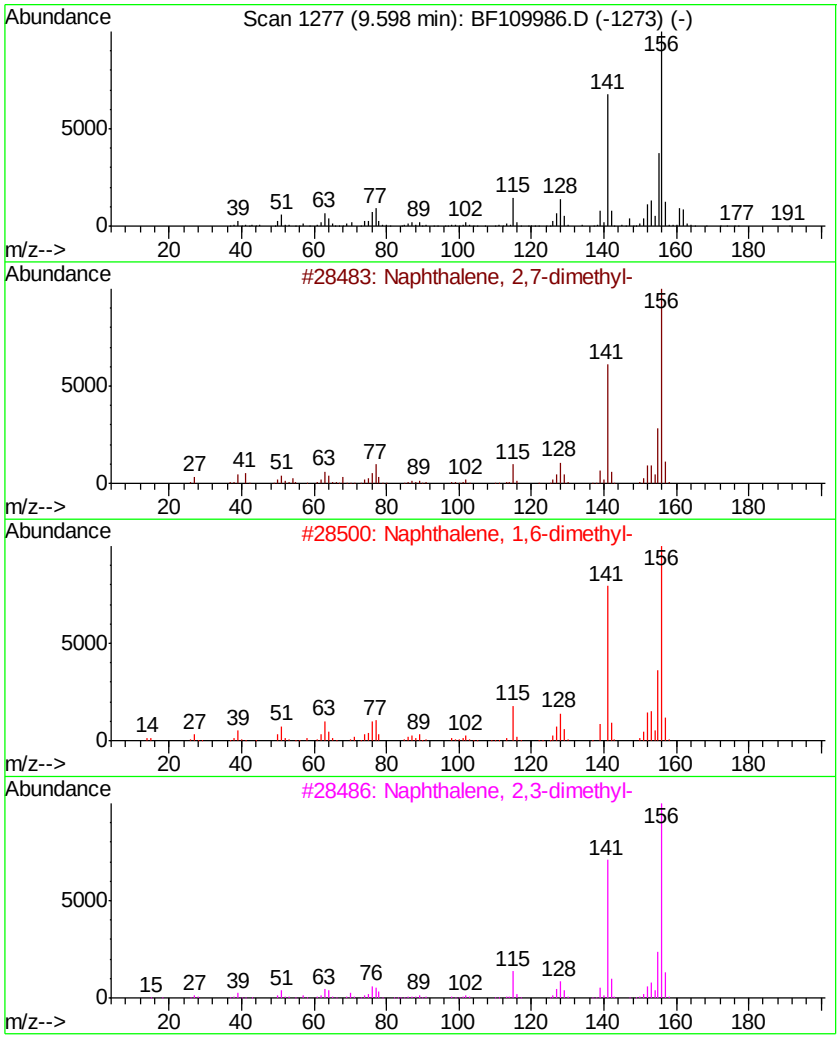
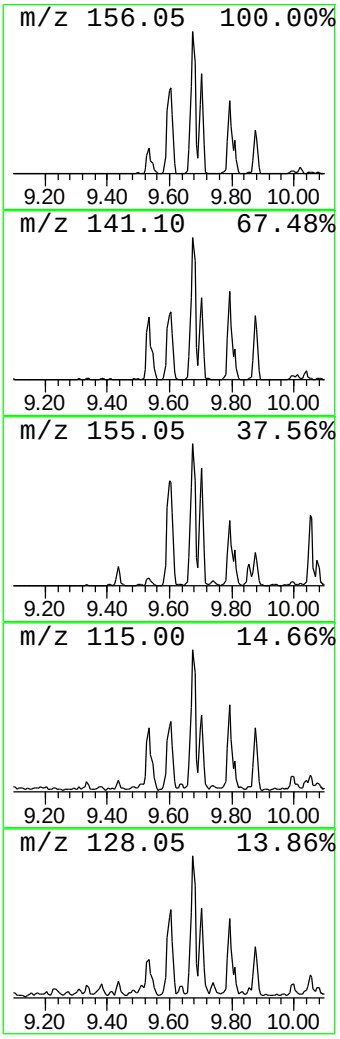
Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	27.12 ng	1624670	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

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Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

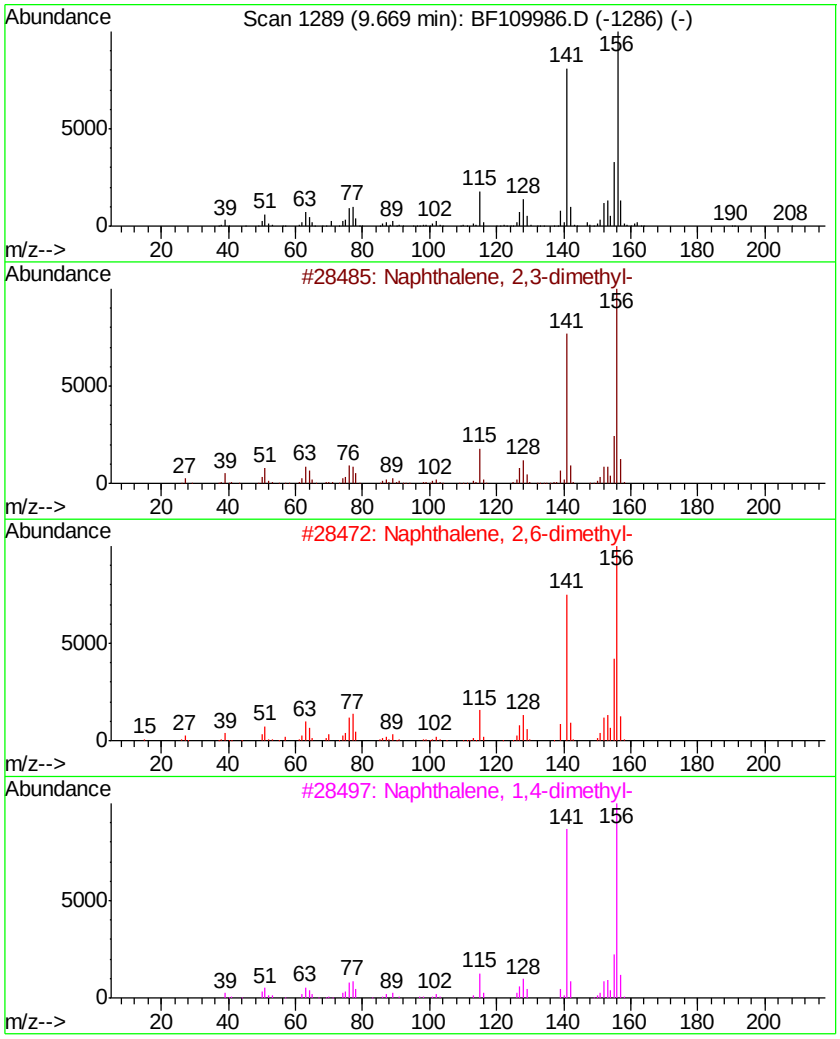
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

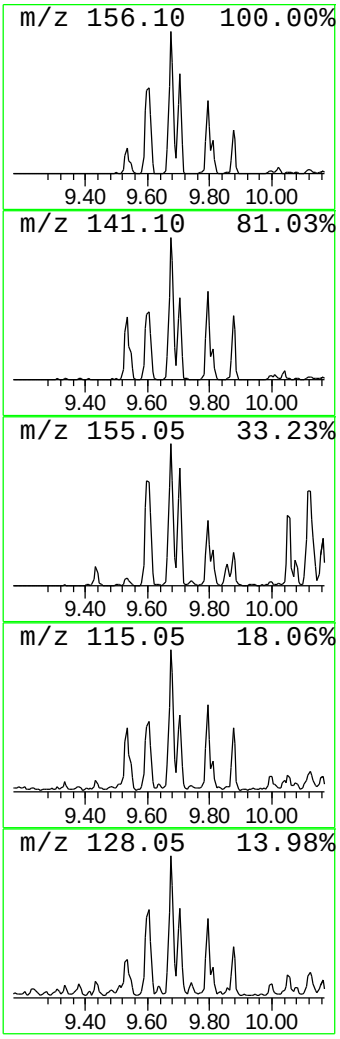
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	35.17 ng	2107010	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

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Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

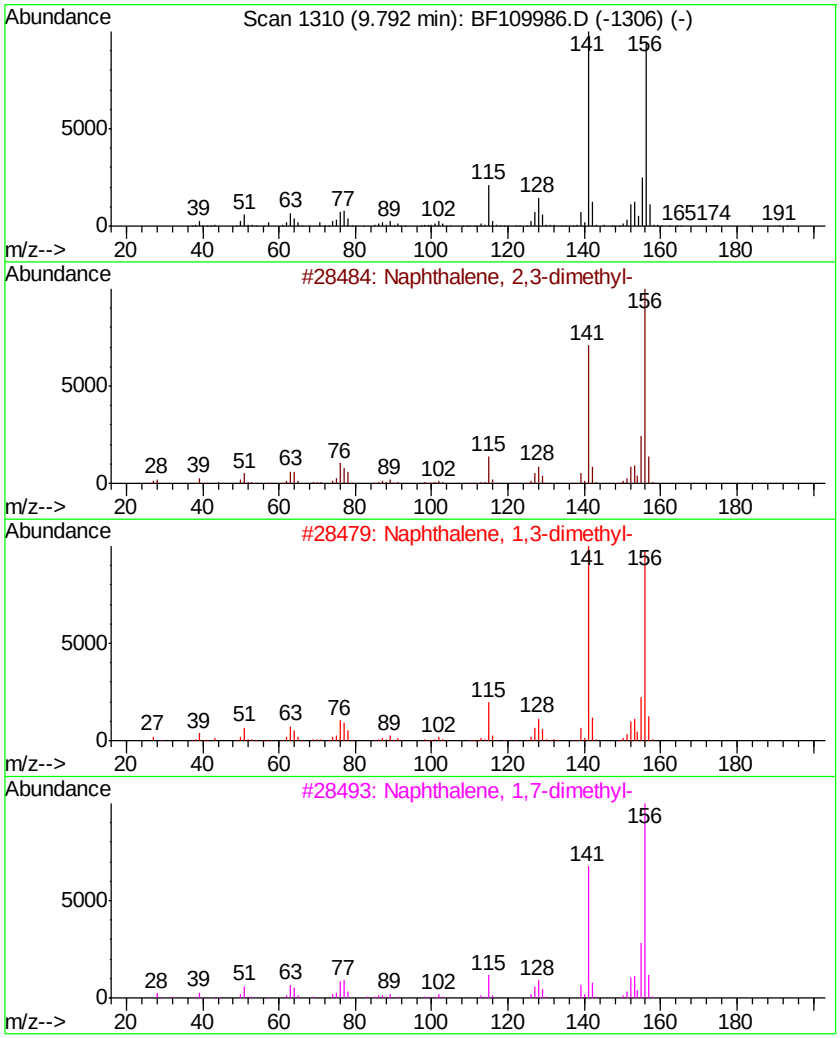
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

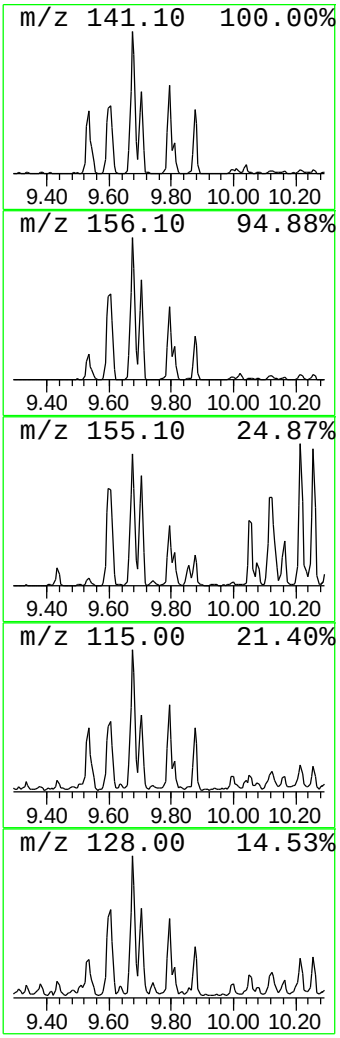
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	19.81 ng	1186860	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
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ClientSampleId : SU-03-101718-B

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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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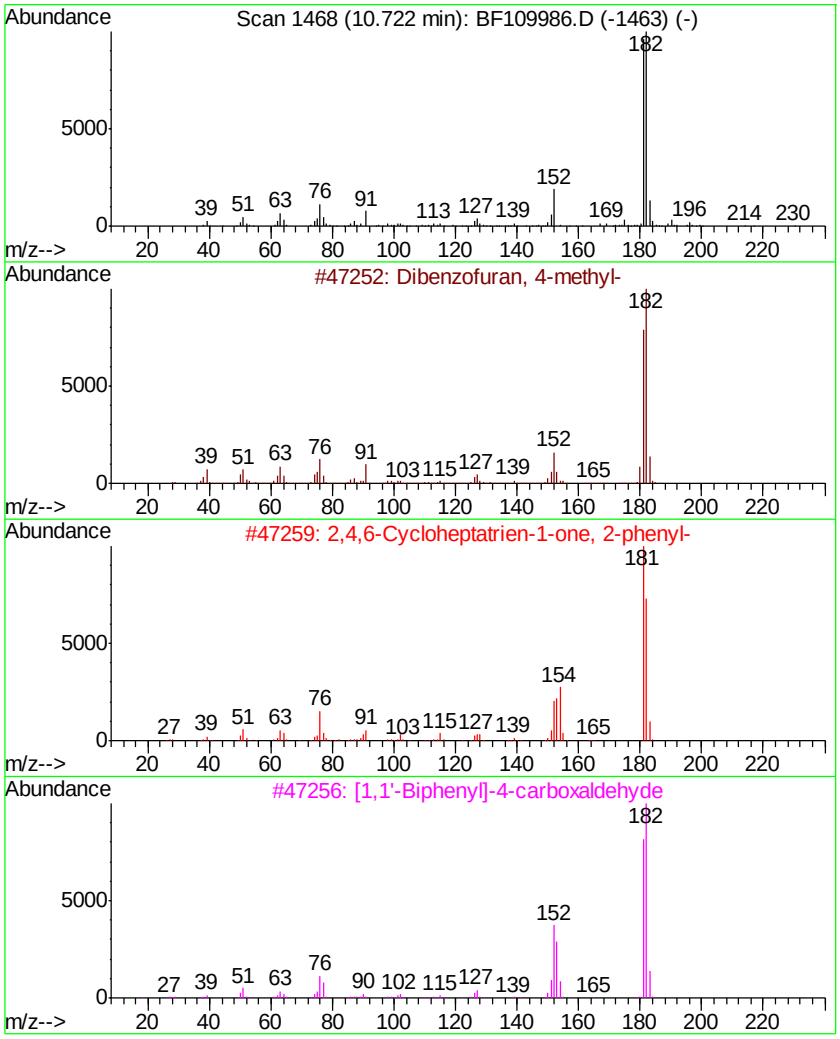
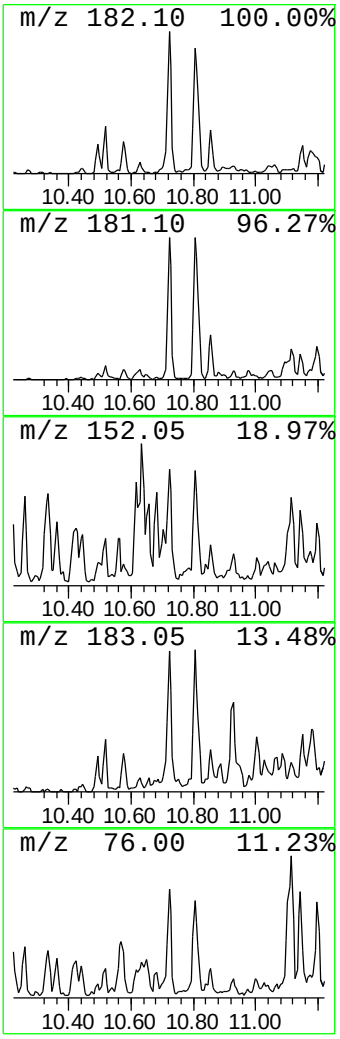
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	11.12 ng	666190	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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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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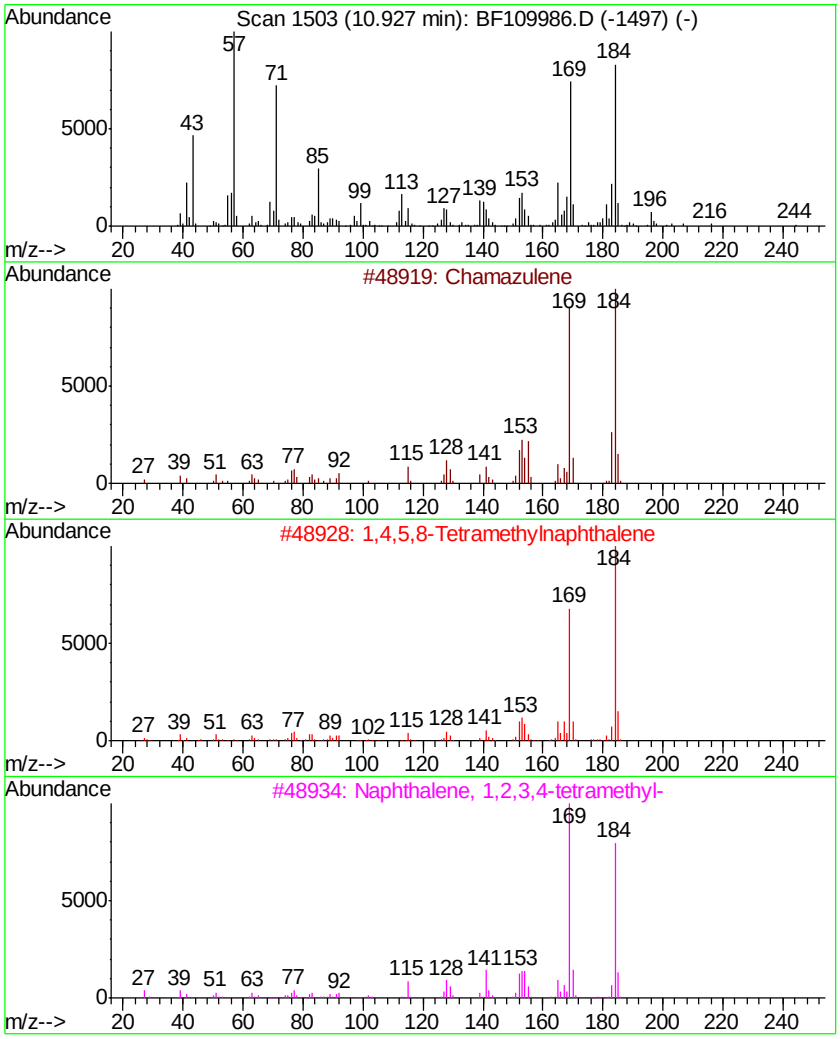
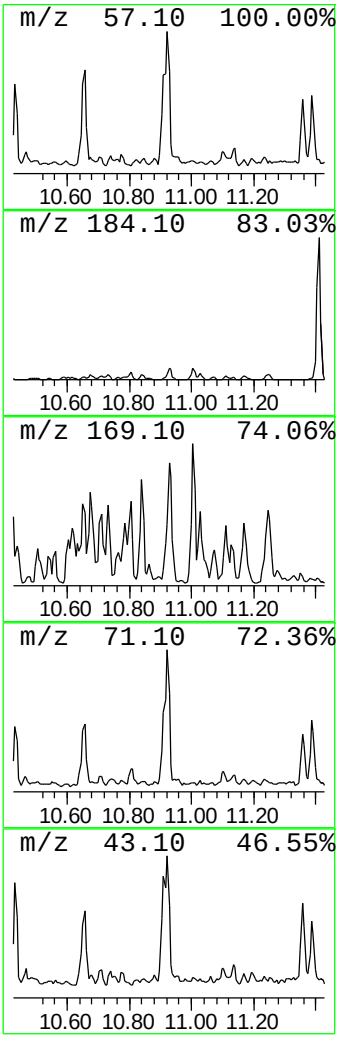
Peak Number 8 Chamazulene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	11.33 ng	691751	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	93
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	91
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	58





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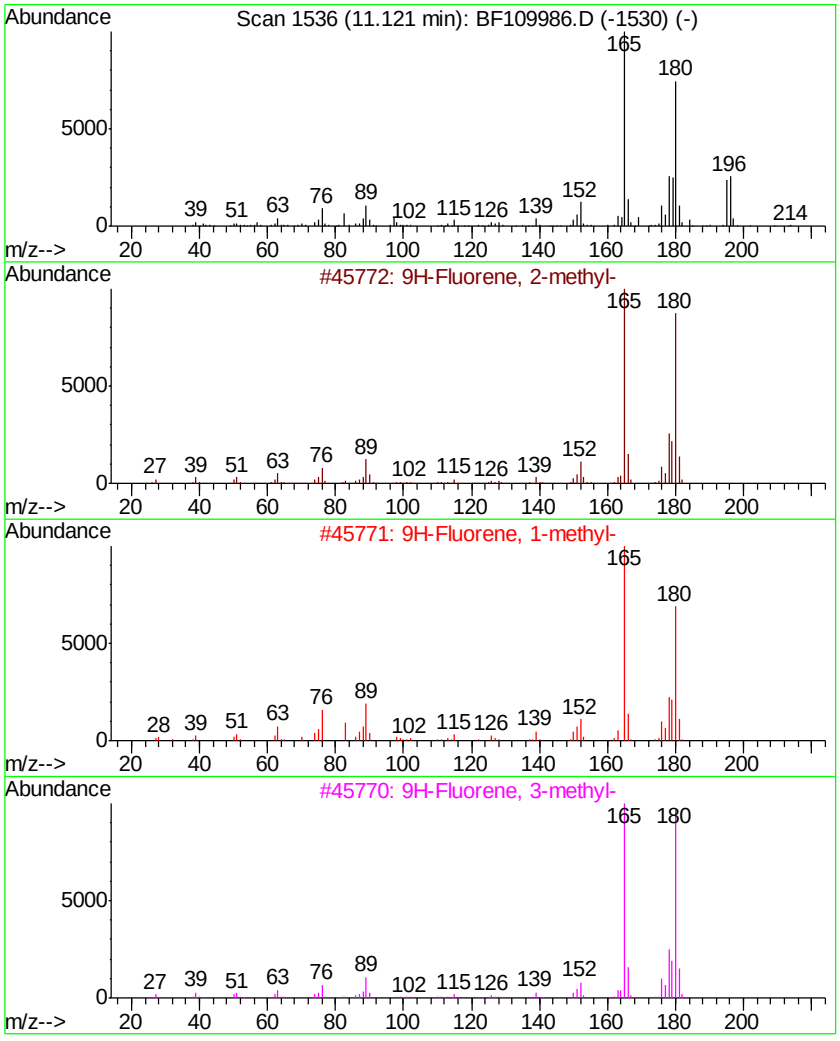
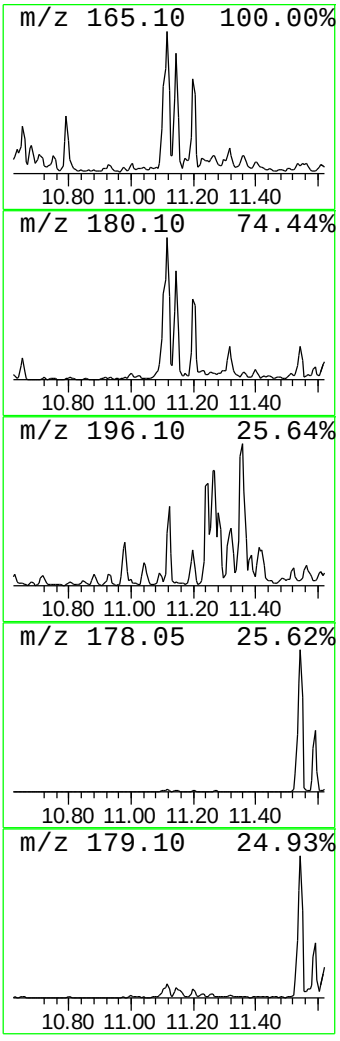
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	16.85 ng	1028770	Phenanthrene-d10	11.52

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, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	(E)-Stilbene	180	C14H12	000103-30-0	68





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ClientSampleId : SU-03-101718-B

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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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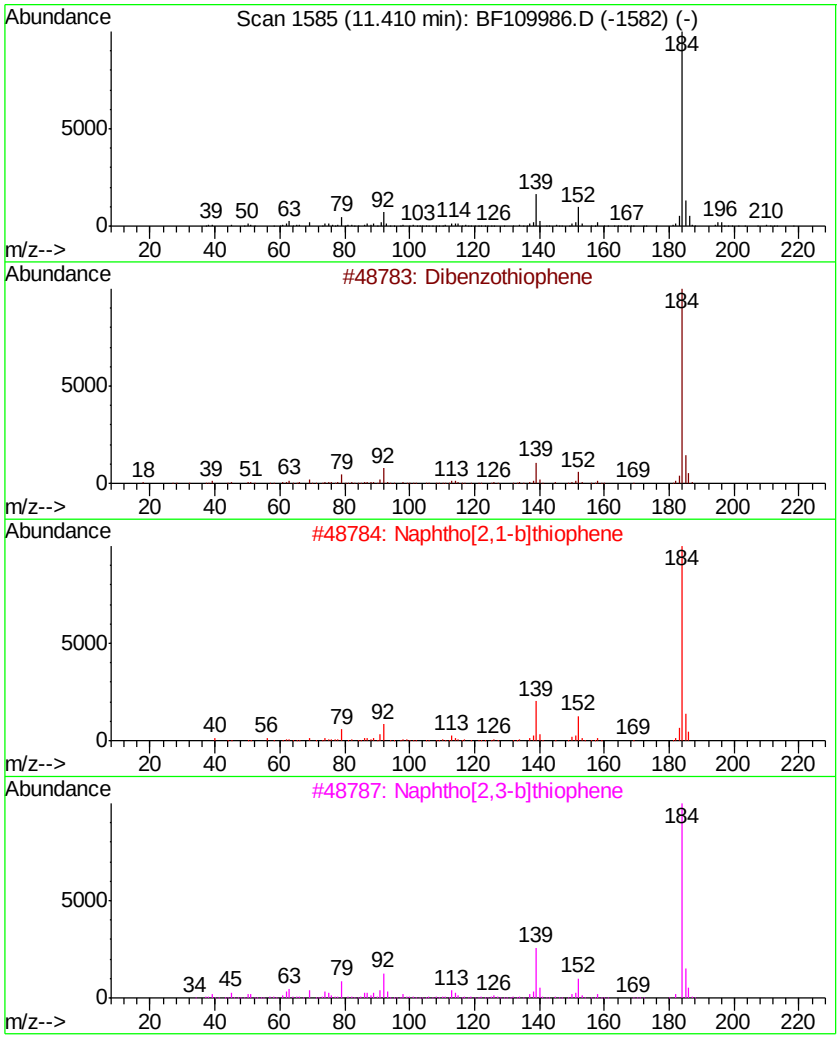
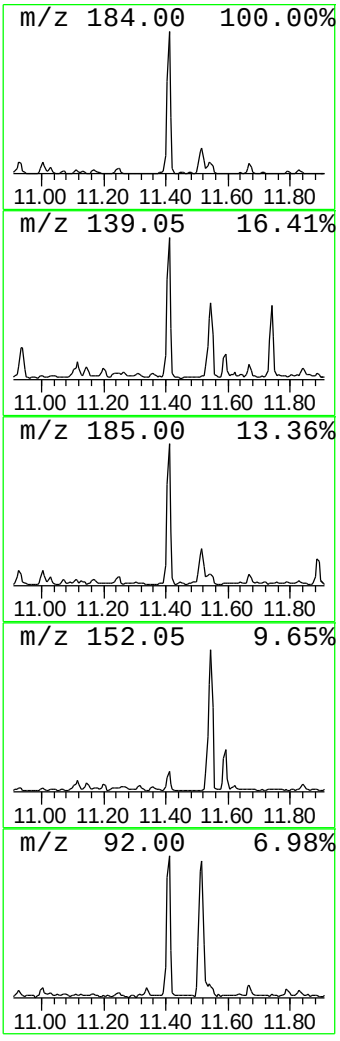
Peak Number 10 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	13.65 ng	833133	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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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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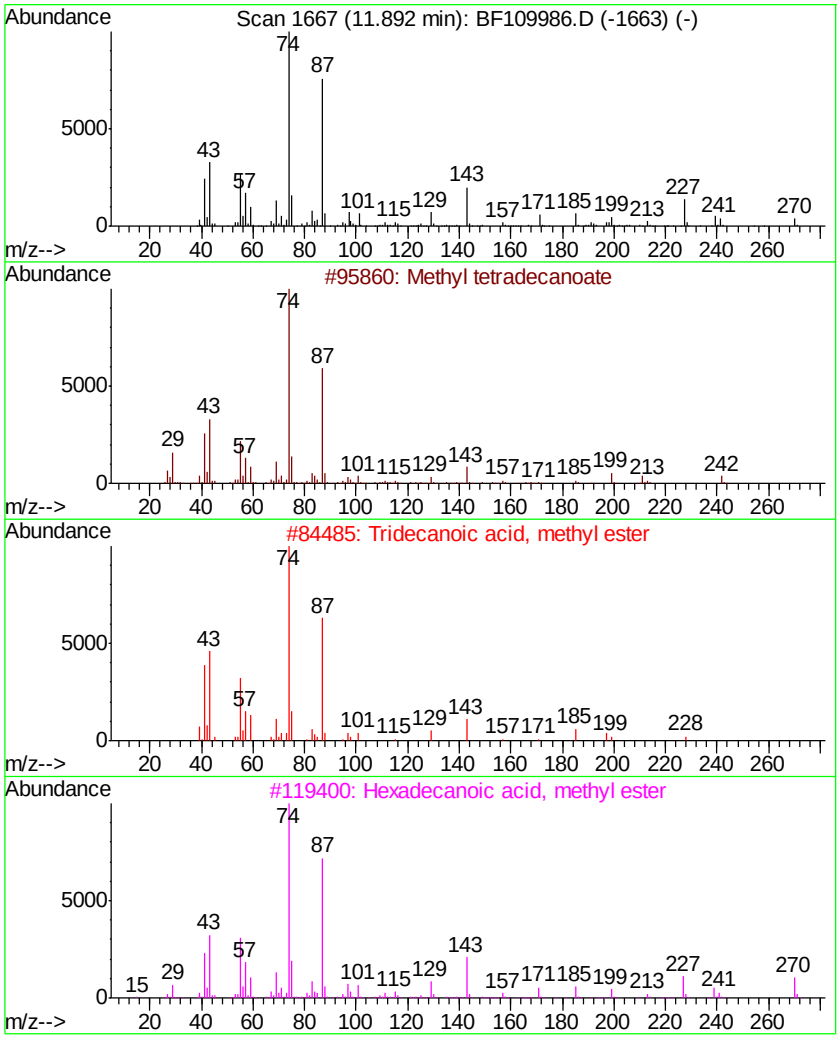
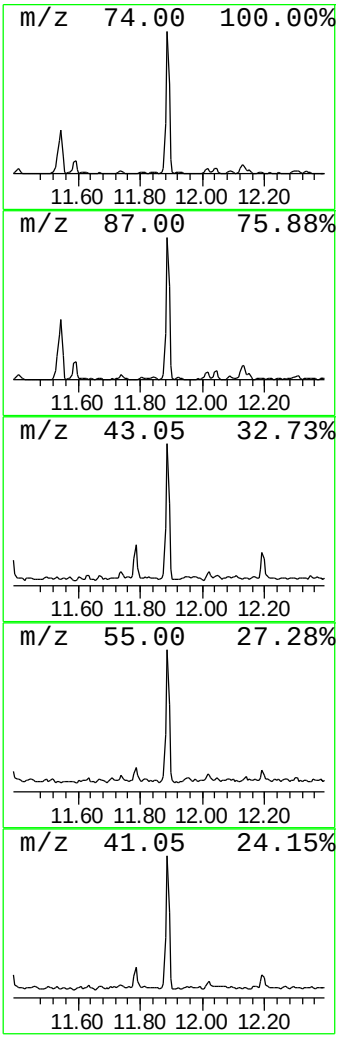
Peak Number 11 Methyl tetradecanoate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	14.67 ng	895729	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
4	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87
5	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	80





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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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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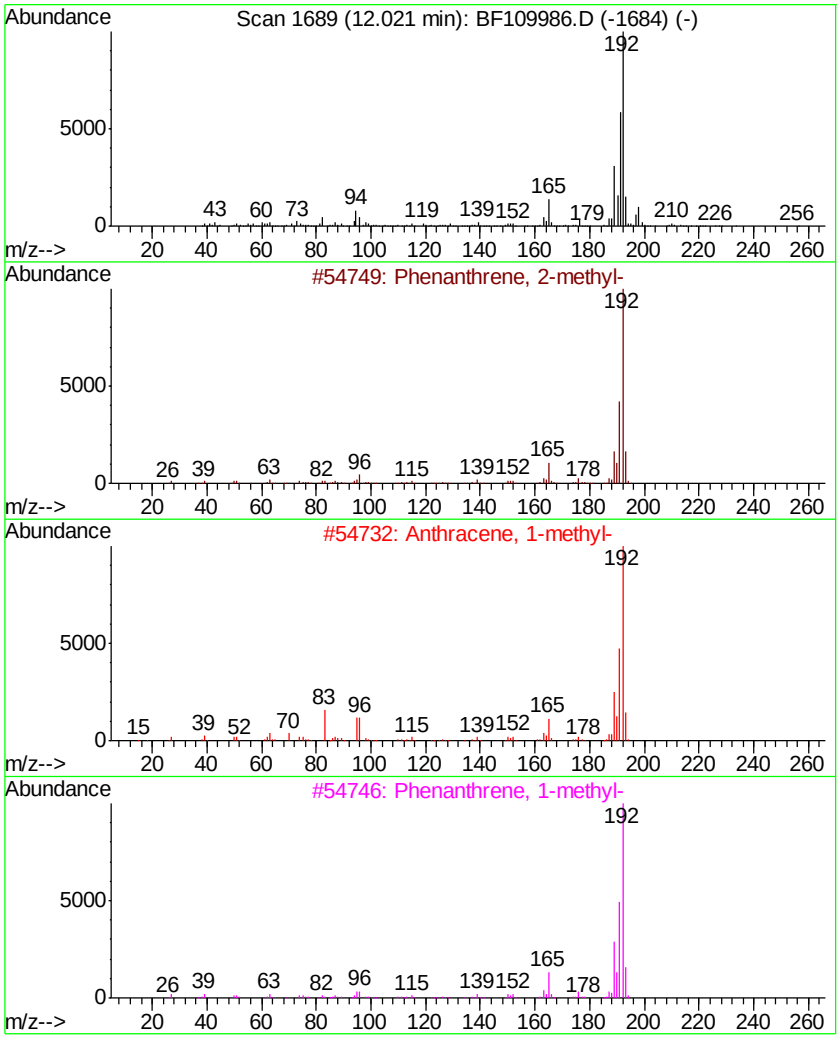
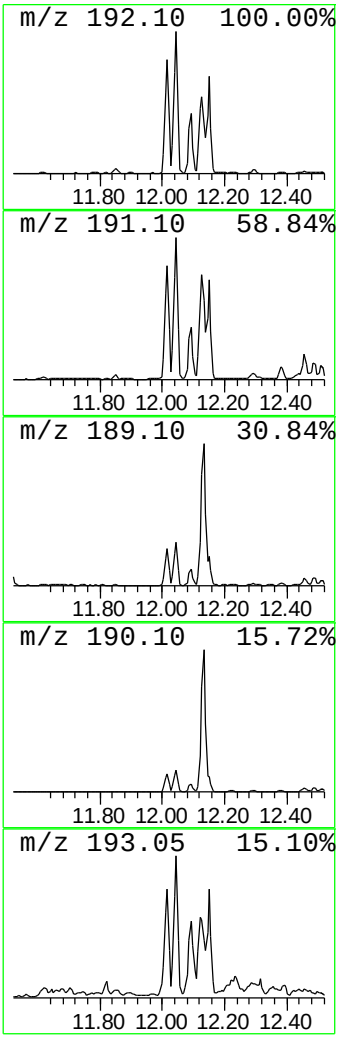
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	22.61 ng	1380360	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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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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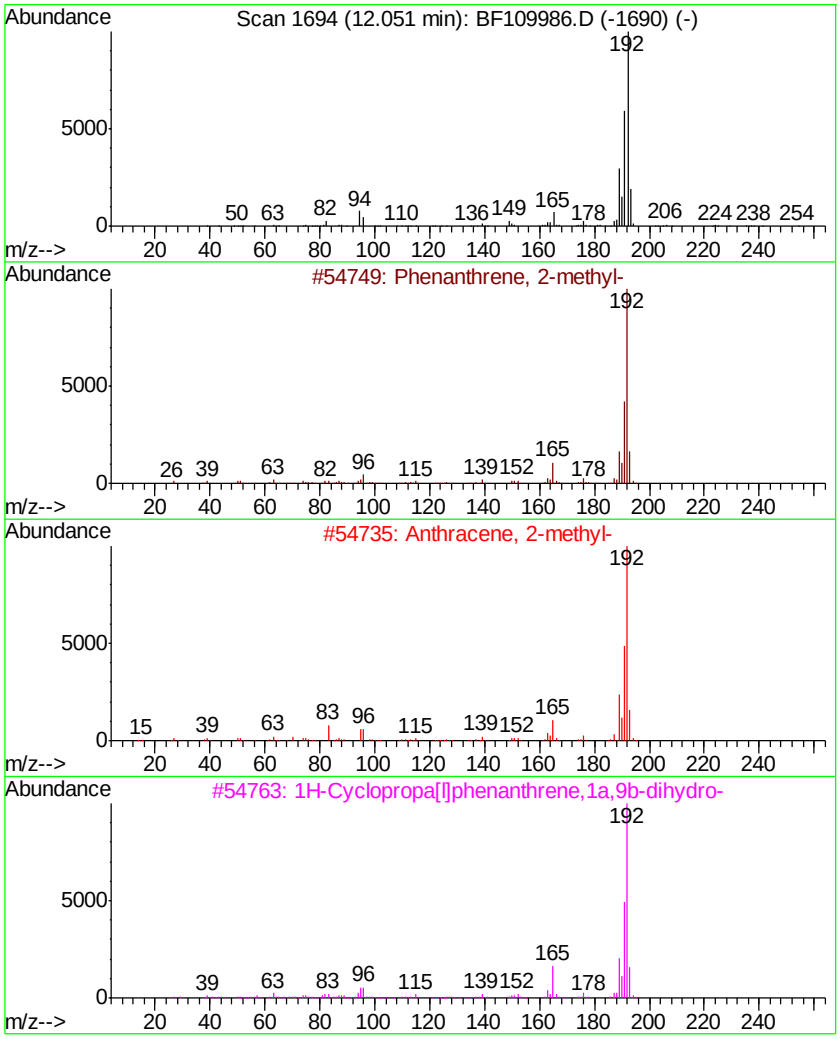
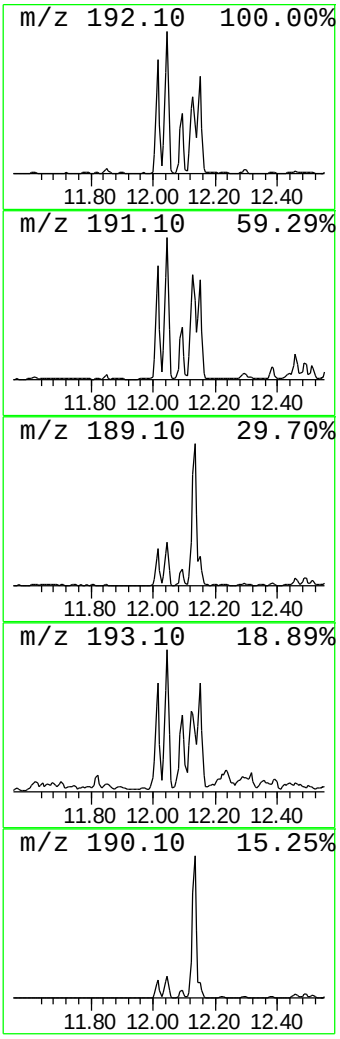
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	26.36 ng	1609190	Phenanthrene-d10	11.52

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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ClientSampleId : SU-03-101718-B

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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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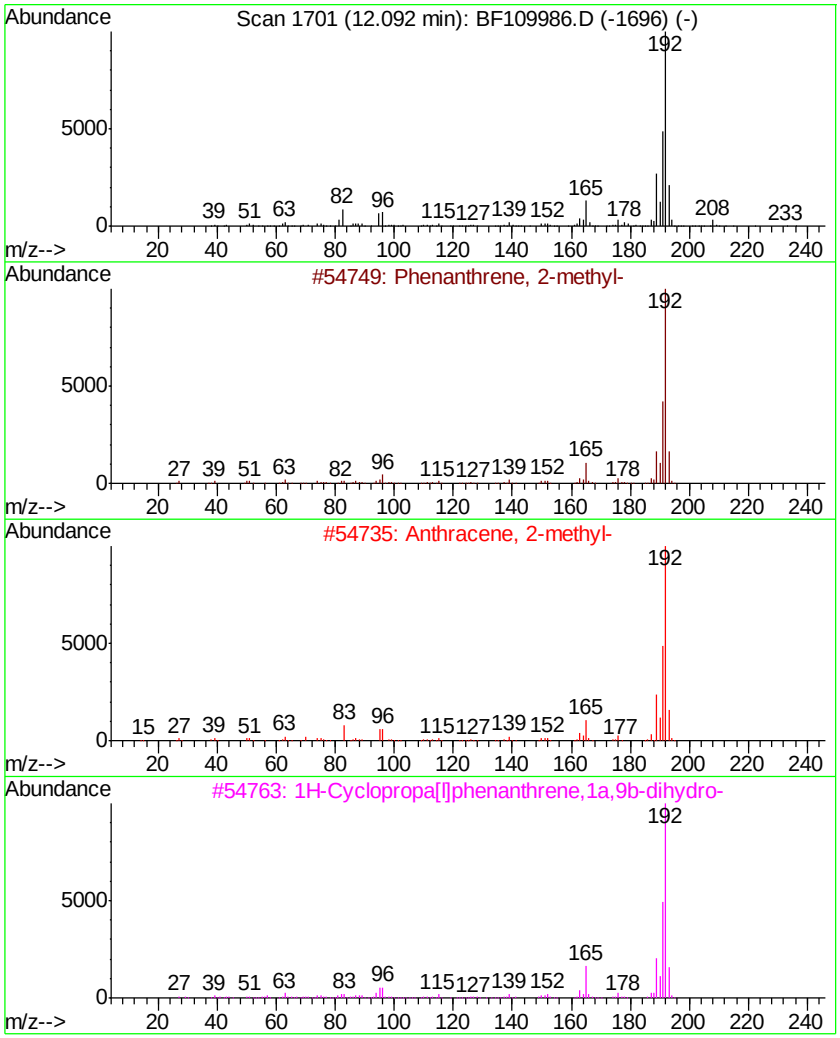
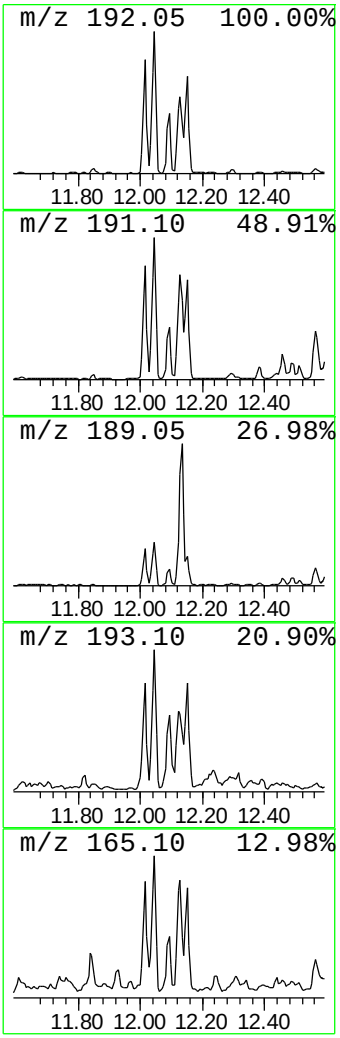
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	12.01 ng	733146	Phenanthrene-d10	11.52

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	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

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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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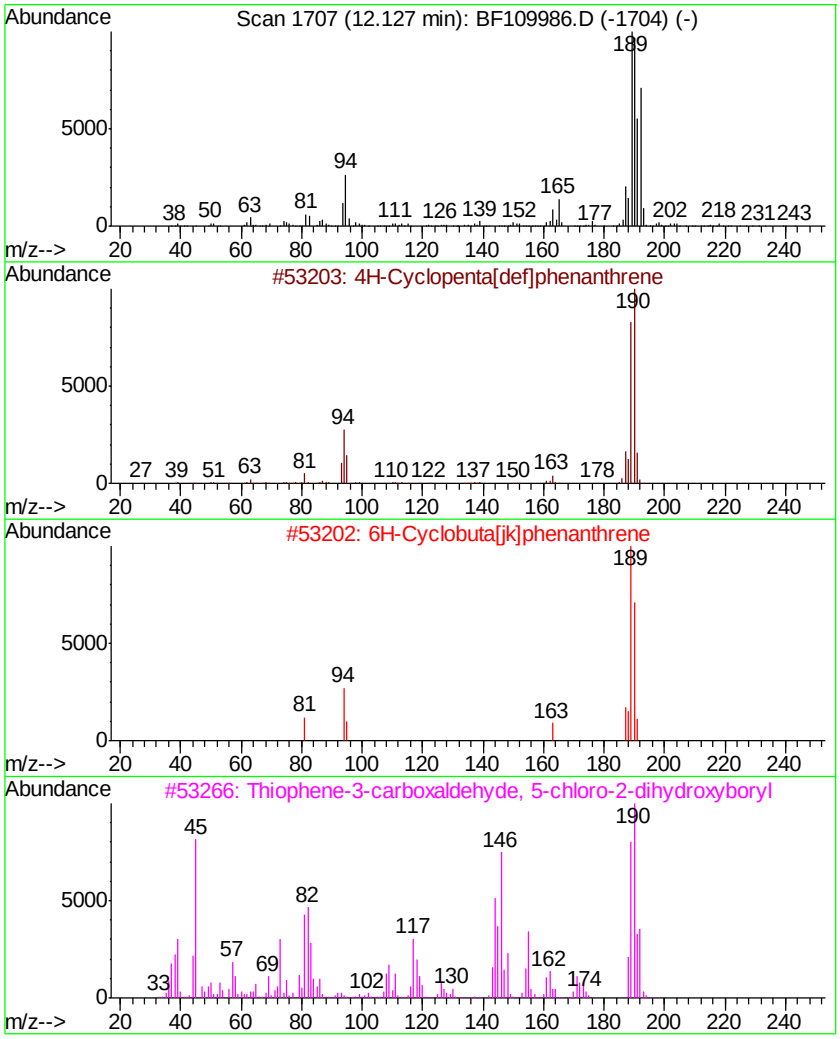
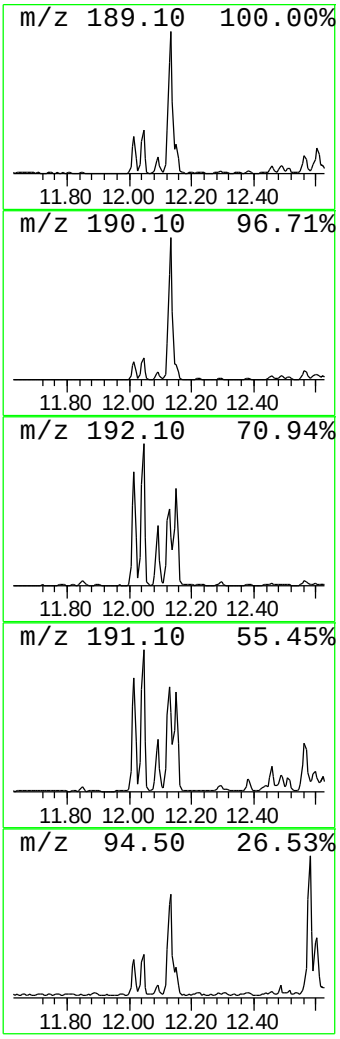
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	48.01 ng	2931030	Phenanthrene-d10	11.52

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	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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ClientSampleId : SU-03-101718-B

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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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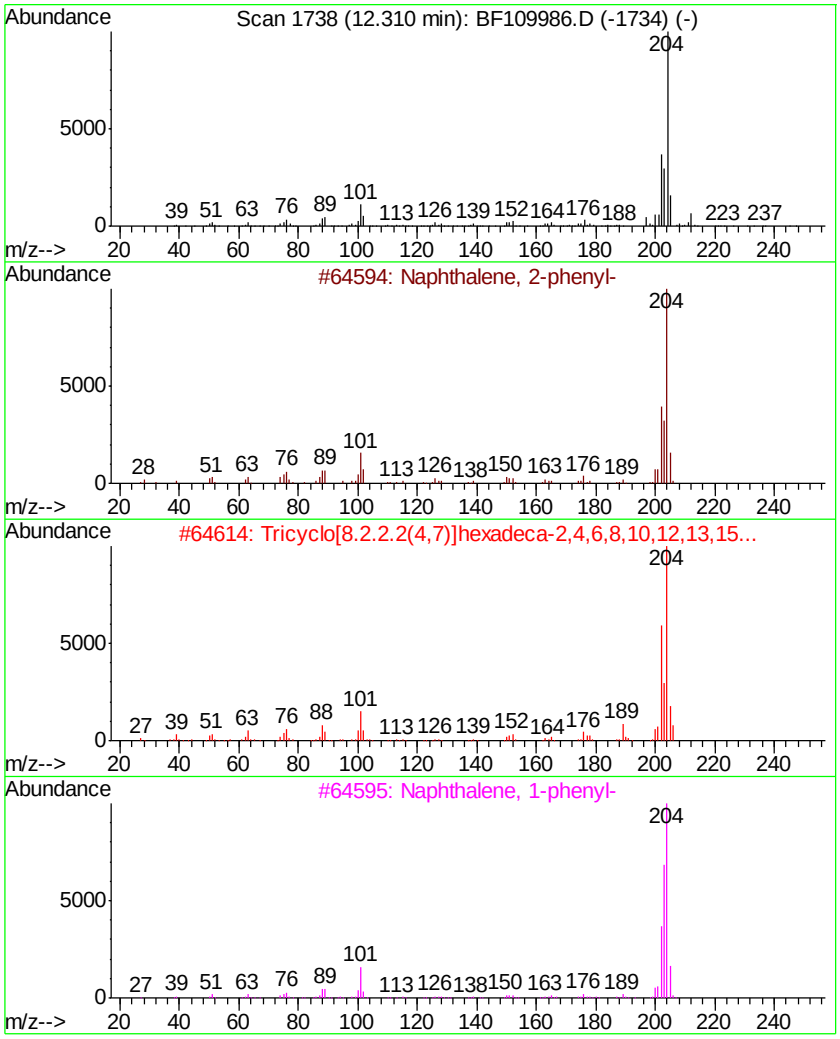
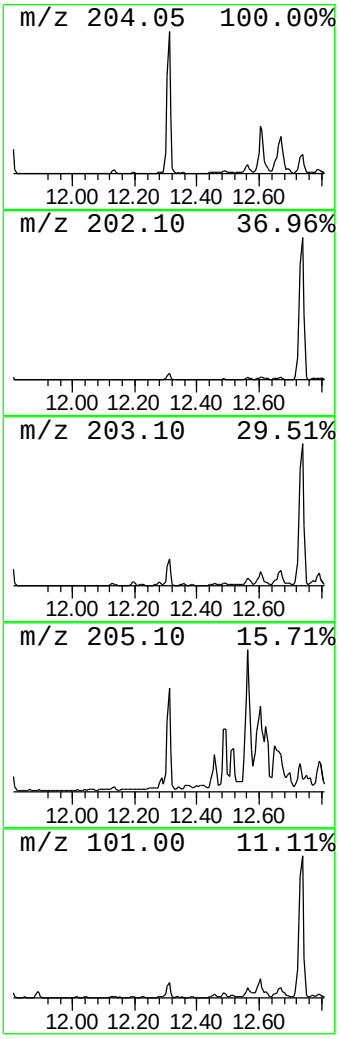
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	11.57 ng	706495	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





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TIC Library : C:\DATABASE\NIST11.L
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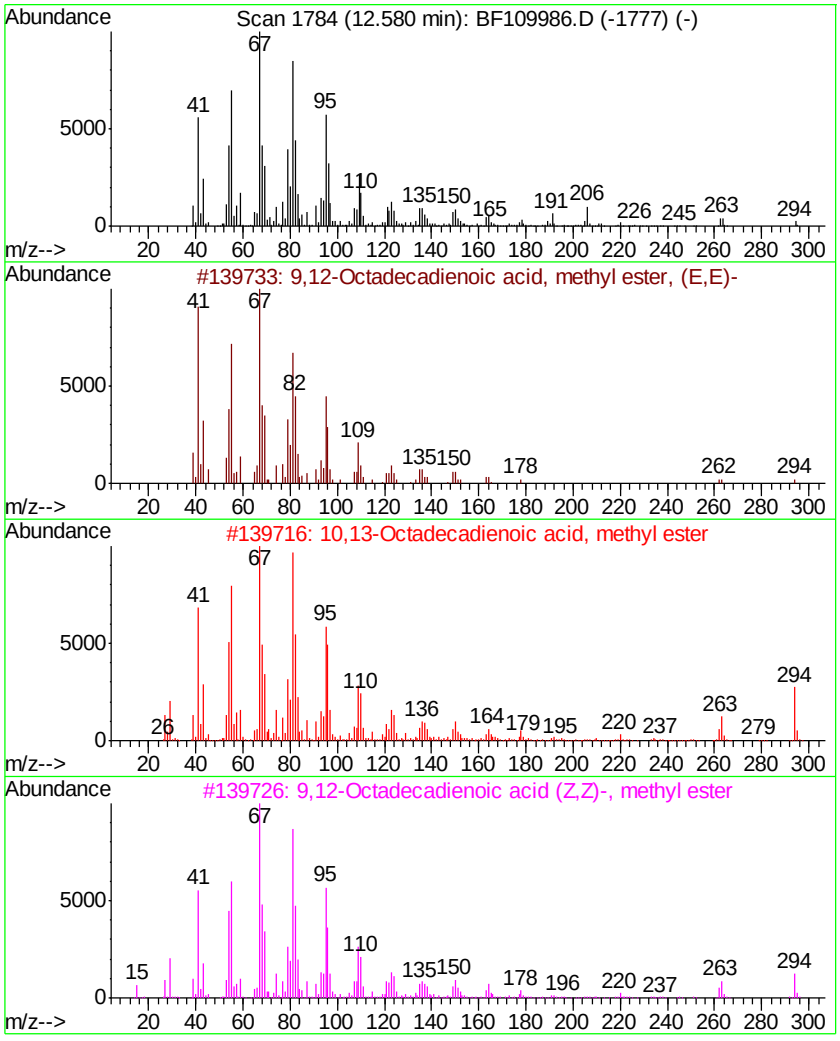
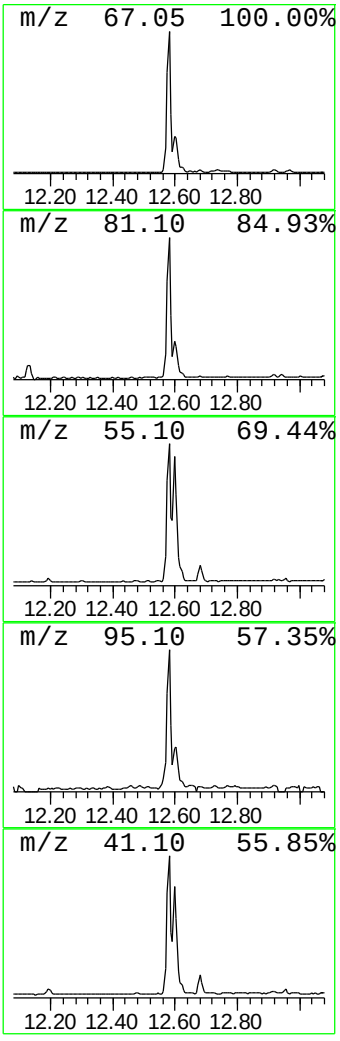
Peak Number 18 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	70.55 ng	4307270	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

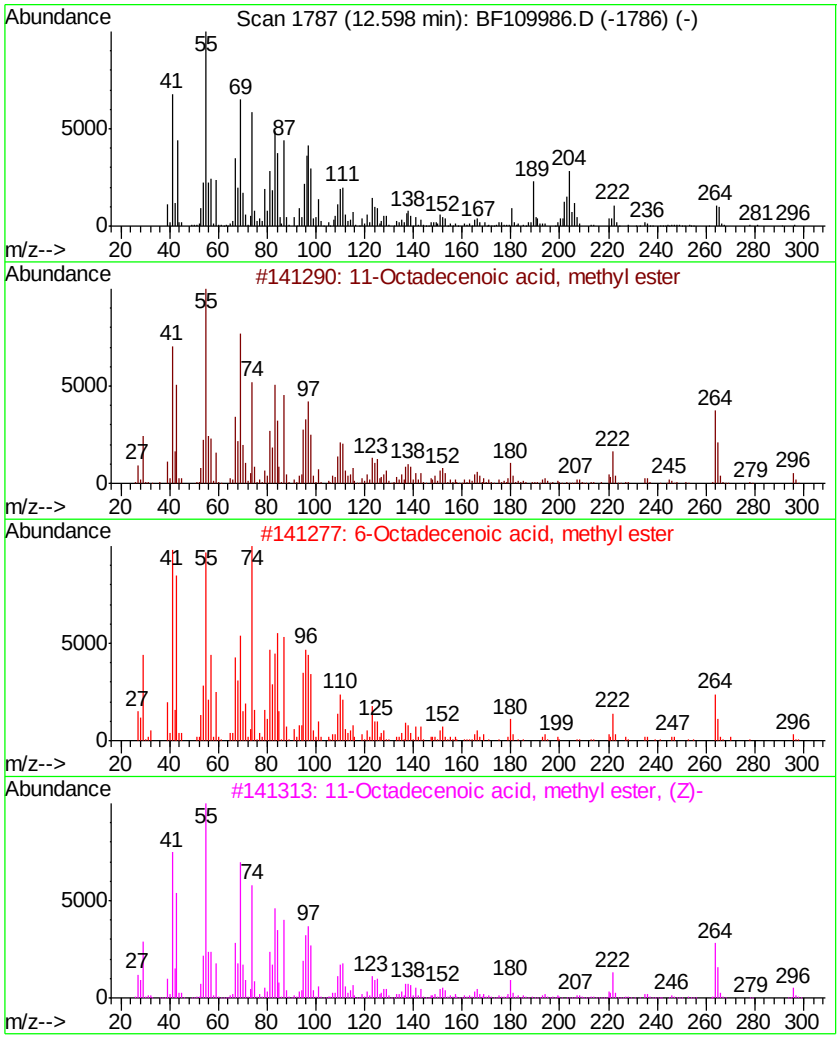
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

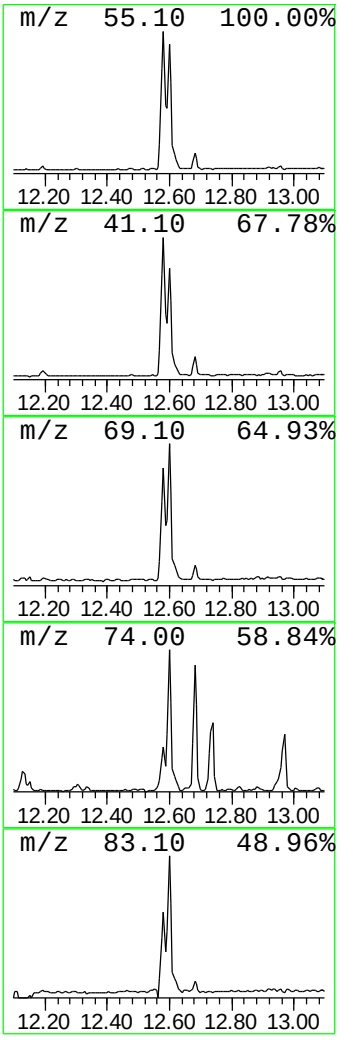
****

Peak Number 19 11-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	42.56 ng	2598370	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
2	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	98
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

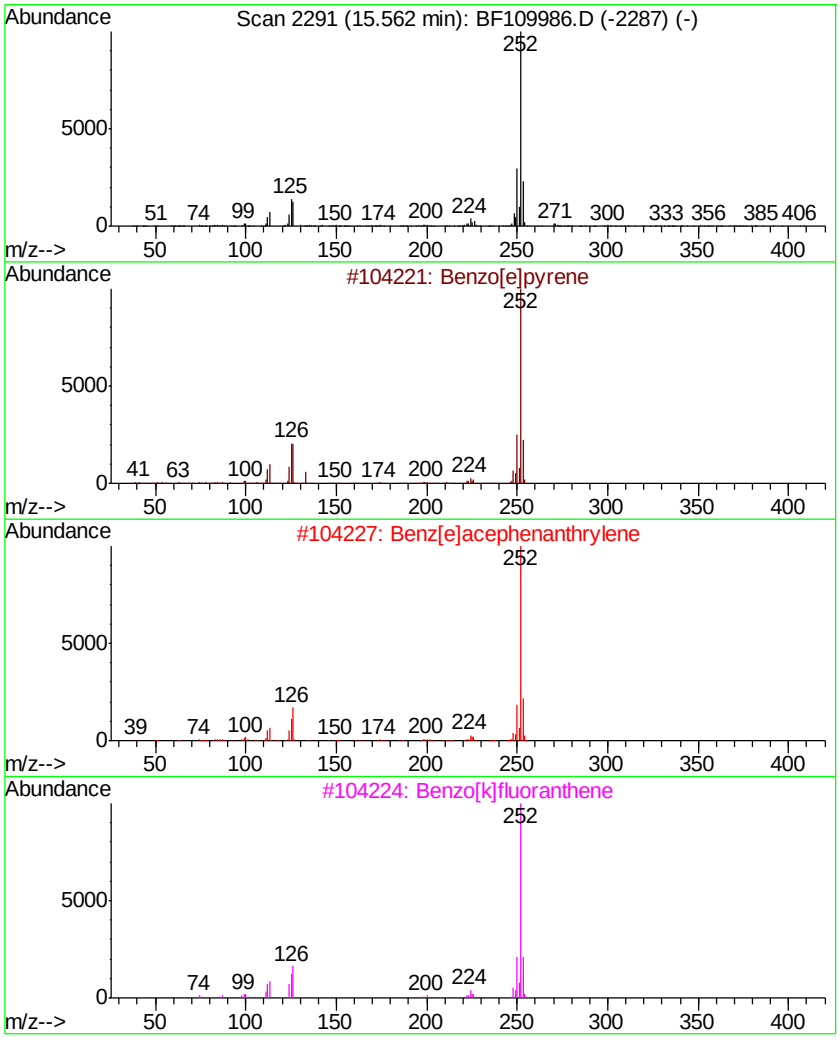
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

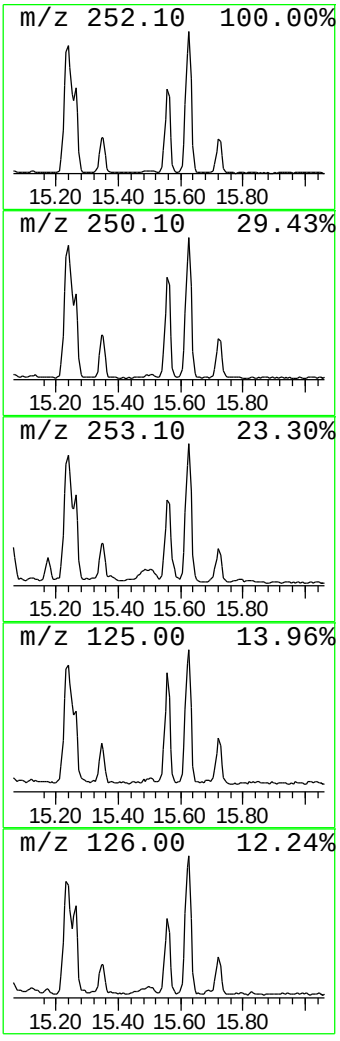
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	17.10 ng	970716	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101818\
Data File : BF109986.D
Acq On : 19 Oct 2018 3:45
Operator : JU/SJ
Sample : J5204-07 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-101718-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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
unknown6.75	6.75	36.5	ng	2070050	1	6.97	1135000	20.0
Naphthalene, 2-et...	9.53	10.7	ng	641169	3	10.02	1198080	20.0
Naphthalene, 2,7-...	9.60	27.1	ng	1624670	3	10.02	1198080	20.0
Naphthalene, 2,3-...	9.67	35.2	ng	2107010	3	10.02	1198080	20.0
Naphthalene, 1,3-...	9.79	19.8	ng	1186860	3	10.02	1198080	20.0
Dibenzofuran, 4-m...	10.72	11.1	ng	666190	3	10.02	1198080	20.0
Chamazulene	10.93	11.3	ng	691751	4	11.52	1221130	20.0
9H-Fluorene, 2-me...	11.12	16.9	ng	1028770	4	11.52	1221130	20.0
Dibenzothiophene	11.41	13.7	ng	833133	4	11.52	1221130	20.0
Methyl tetradecan...	11.89	14.7	ng	895729	4	11.52	1221130	20.0
Phenanthrene, 2-m...	12.02	22.6	ng	1380360	4	11.52	1221130	20.0
Anthracene, 2-met...	12.05	26.4	ng	1609190	4	11.52	1221130	20.0
1H-Cyclopropa[l]p...	12.09	12.0	ng	733146	4	11.52	1221130	20.0
4H-Cyclopenta[def...	12.13	48.0	ng	2931030	4	11.52	1221130	20.0
Naphthalene, 2-ph...	12.31	11.6	ng	706495	4	11.52	1221130	20.0
9,12-Octadecadien...	12.58	70.5	ng	4307270	4	11.52	1221130	20.0
11-Octadecenoic a...	12.60	42.6	ng	2598370	4	11.52	1221130	20.0
Benzo[e]pyrene	15.56	17.1	ng	970716	6	15.69	1135320	20.0