LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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-BF091020.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	5.393	559	562	577	rVB	2341661	2290834	32.08%	2.146%
2	6.416	731	736	748	rBV	2226757	2297500	32.18%	2.153%
3	6.775	793	797	803	rVB	904548	820361	11.49%	0.769%
4	7.340	883	893	897	rBV	1526741	1627214	22.79%	1.525%
5	8.057	1009	1015	1017	rBV2	1022291	1278222	17.90%	1.198%
6	8.122	1021	1026	1028	rVB	733616	684456	9.59%	0.641%
7	8.351	1057	1065	1067	rBV7	252150	560404	7.85%	0.525%
8	8.439	1076	1080	1083	rVB3	321667	371219	5.20%	0.348%
9	8.481	1083	1087	1089	rBV	1477986	1388055	19.44%	1.300%
10	8.598	1103	1107	1109	rBV4	221632	284502	3.98%	0.267%
11	8.651	1112	1116	1120	rBV	1737208	1539485	21.56%	1.442%
12	8.745	1129	1132	1135	rVB2	549027	655393	9.18%	0.614%
13	8.934	1162	1164	1168	rBV3	439954	672601	9.42%	0.630%
14	8.969	1168	1170	1171	rVV	361685	312352	4.37%	0.293%
15	9.016	1175	1178	1181	rBV	520663	472538	6.62%	0.443%
16	9.057	1181	1185	1187	rBV2	437200	471204	6.60%	0.441%
17	9.086	1187	1190	1193	rVB	1689106	1560257	21.85%	1.462%
18	9.134	1194	1198	1201	rVB	2574244	2171240	30.41%	2.034%
19	9.222	1208	1213	1217	rBV	3151299	3553866	49.77%	3.330%
20	9.257	1217	1219	1222	rBV3	346503	404881	5.67%	0.379%
21	9.334	1230	1232	1235	rVB2	350109	297701	4.17%	0.279%
22	9.375	1235	1239	1242	rBV5	200520	373170	5.23%	0.350%
23	9.410	1242	1245	1247	rVV2	357530	350333	4.91%	0.328%
24	9.445	1249	1251	1253	rVV2	341684	336722	4.72%	0.315%
25	9.475	1253	1256	1258	rVV2	665570	793185	11.11%	0.743%
26	9.492	1258	1259	1262	rVV2	577603	507388	7.11%	0.475%
27	9.539	1262	1267	1269	rVV3	2802400	3739300	52.37%	3.503%
28	9.557	1269	1270	1274	rVV	790534	840042	11.76%	0.787%
29	9.598	1274	1277	1279	rVV	570817	513105	7.19%	0.481%
30	9.675	1288	1290	1295	rBV3	548585	804945	11.27%	0.754%
31	9.722	1295	1298	1300	rVV	872884	879259	12.31%	0.824%
32	9.751	1300	1303	1307	rVV	3898275	3804006	53.28%	3.564%
33	9.792	1307	1310	1311	rVV2	750310	801934	11.23%	0.751%
34	9.810	1311	1313	1316	rVB2	1088989	1092837	15.31%	1.024%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.851	1317	1320	1323	rVV4	546161	460371	6.45%	0.431%
36	9.922	1329	1332	1335	rVB3	542894	502773	7.04%	0.471%
37	9.975	1336	1341	1345	rBV3	773170	1438232	20.14%	1.347%
38	10.010	1345	1347	1349	rVV2	923000	860032	12.04%	0.806%
39	10.033	1349	1351	1354	rVV	688746	679099	9.51%	0.636%
40	10.069	1354	1357	1361	rVV2	1397591	1732427	24.26%	1.623%
41	10.104	1361	1363	1365	rVV	552162	417235	5.84%	0.391%
42	10.133	1365	1368	1373	rVV4	489794	565739	7.92%	0.530%
43	10.186	1374	1377	1380	rVV3	416816	505554	7.08%	0.474%
44	10.222	1380	1383	1384	rVV3	496363	514927	7.21%	0.482%
45	10.251	1384	1388	1391	rVV	4227469	4613112	64.61%	4.322%
46	10.275	1391	1392	1395	rVV3	514127	557254	7.80%	0.522%
47	10.304	1395	1397	1402	rVB4	589079	798342	11.18%	0.748%
48	10.357	1403	1406	1412	rBV4	507626	962458	13.48%	0.902%
49	10.469	1419	1425	1428	rBV	2239035	2929571	41.03%	2.745%
50	10.516	1431	1433	1436	rBV2	657261	593796	8.32%	0.556%
51	10.551	1436	1439	1442	rBV2	600680	580807	8.13%	0.544%
52	10.586	1442	1445	1446	rVV	839851	768093	10.76%	0.720%
53	10.604	1446	1448	1451	rVB	1153672	848090	11.88%	0.795%
54	10.728	1464	1469	1477	rVB	4476072	7140320	100.00%	6.690%
55	10.792	1478	1480	1486	rVB3	386102	632143	8.85%	0.592%
56	10.910	1497	1500	1502	rBV2	506670	545492	7.64%	0.511%
57	10.975	1509	1511	1513	rBV	357938	280446	3.93%	0.263%
58	11.004	1514	1516	1518	rVV	425674	295574	4.14%	0.277%
59	11.039	1520	1522	1524	rVV	440687	453127	6.35%	0.425%
60	11.057	1524	1525	1527	rVB	618221	344091	4.82%	0.322%
61	11.169	1540	1544	1546	rBV	2819715	2394079	33.53%	2.243%
62	11.198	1546	1549	1555	rVB	1523149	1606764	22.50%	1.505%
63	11.251	1555	1558	1559	rBV2	303055	352392	4.94%	0.330%
64	11.298	1563	1566	1568	rBV	906323	861880	12.07%	0.808%
65	11.327	1568	1571	1573	rVV	1678043	1418082	19.86%	1.329%
66	11.375	1577	1579	1582	rVB	752786	618576	8.66%	0.580%
67	11.410	1582	1585	1587	rBV3	326268	287603	4.03%	0.269%
68	11.439	1587	1590	1593	rBV	319548	309615	4.34%	0.290%
69	11.475	1593	1596	1599	rVB2	432284	380594	5.33%	0.357%
70	11.592	1612	1616	1619	rVB	2832856	2454437	34.37%	2.300%
71	11.751	1641	1643	1645	rBV	285773	284223	3.98%	0.266%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.798	1649	1651	1653	rVV2	398467	298988	4.19%	0.280%
73	11.827	1653	1656	1658	rVB	510108	402003	5.63%	0.377%
74	11.910	1667	1670	1673	rVV	625942	690570	9.67%	0.647%
75	11.933	1673	1674	1678	rVB	511244	380005	5.32%	0.356%
76	11.998	1682	1685	1688	rVB	1323027	1113382	15.59%	1.043%
77	12.092	1699	1701	1709	rVB4	305172	574895	8.05%	0.539%
78	12.351	1741	1745	1748	rBV2	274378	334539	4.69%	0.313%
79	12.386	1748	1751	1754	rVV	943918	822547	11.52%	0.771%
80	12.516	1769	1773	1776	rVB	2871748	2647307	37.08%	2.480%
81	12.745	1805	1812	1817	rBV2	2563375	3280354	45.94%	3.073%
82	12.880	1832	1835	1842	rVB	2356397	2340102	32.77%	2.192%
83	12.957	1844	1848	1851	rBV2	181663	277457	3.89%	0.260%
84	13.069	1864	1867	1870	rVB	511822	474970	6.65%	0.445%
85	13.110	1870	1874	1876	rBV3	242157	269274	3.77%	0.252%
86	13.169	1880	1884	1887	rBV2	293409	325385	4.56%	0.305%
87	13.680	1968	1971	1974	rBV2	237909	259197	3.63%	0.243%
88	13.733	1978	1980	1986	rVV3	194070	312767	4.38%	0.293%
89	13.786	1986	1989	1996	rVB2	428563	547860	7.67%	0.513%
90	13.933	2007	2014	2017	rBV2	1919736	2856689	40.01%	2.676%
91	13.963	2017	2019	2026	rVB	1480060	1408292	19.72%	1.319%
92	14.321	2077	2080	2083	rVB	337462	300908	4.21%	0.282%
93	14.968	2185	2190	2193	rBV	1272987	2034279	28.49%	1.906%
94	15.068	2204	2207	2210	rBV	291174	292522	4.10%	0.274%
95	15.263	2236	2240	2245	rVB	725562	978204	13.70%	0.916%
96	15.321	2246	2250	2255	rVB	1063842	1300277	18.21%	1.218%
97	15.380	2256	2260	2263	rVV	594675	784831	10.99%	0.735%
98	15.410	2263	2265	2271	rVB2	353344	411770	5.77%	0.386%
99	16.804	2496	2502	2509	rVB	463787	868122	12.16%	0.813%
100	17.233	2570	2575	2582	rVB	304386	608914	8.53%	0.570%

Sum of corrected areas: 106734271

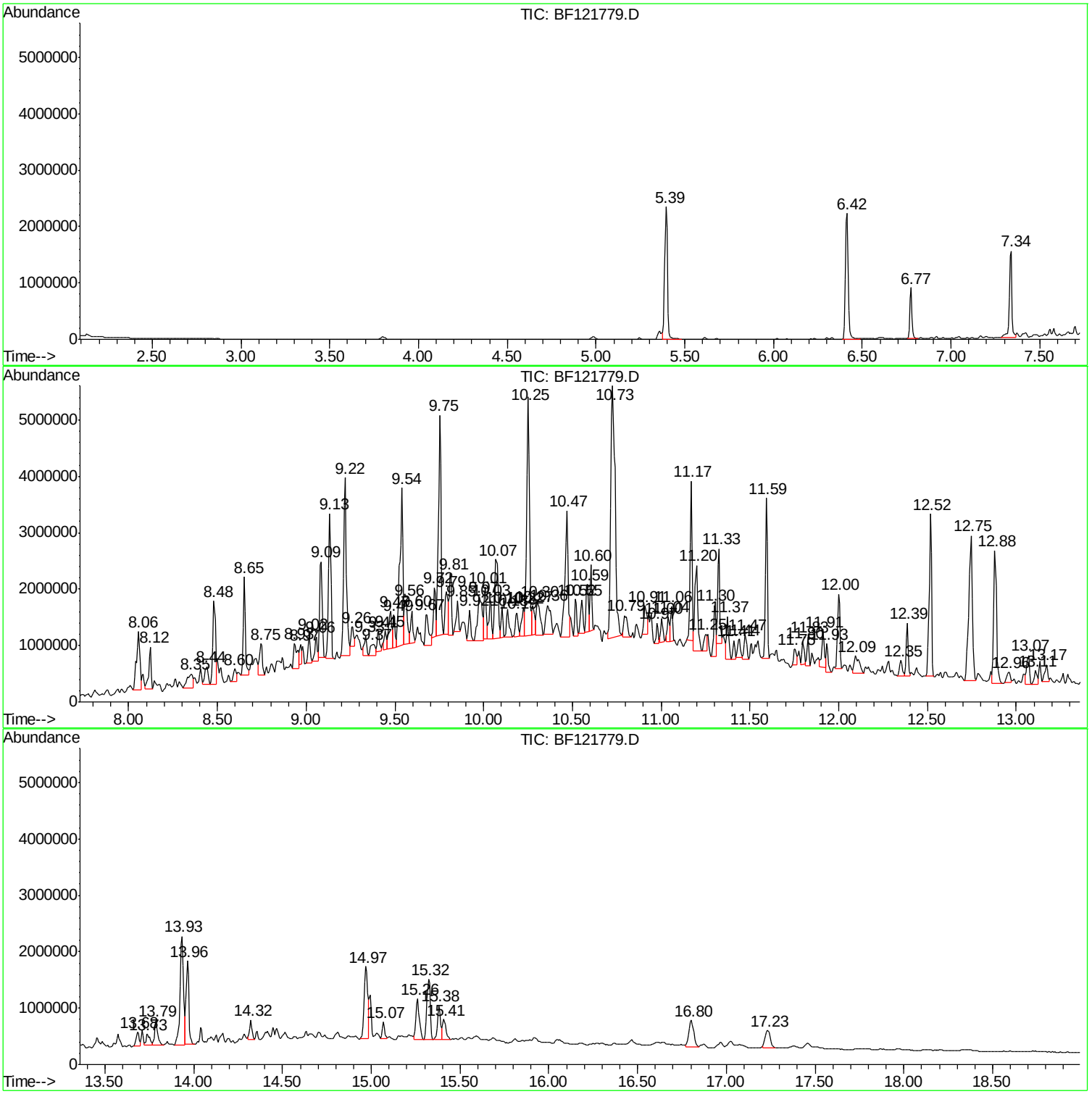
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

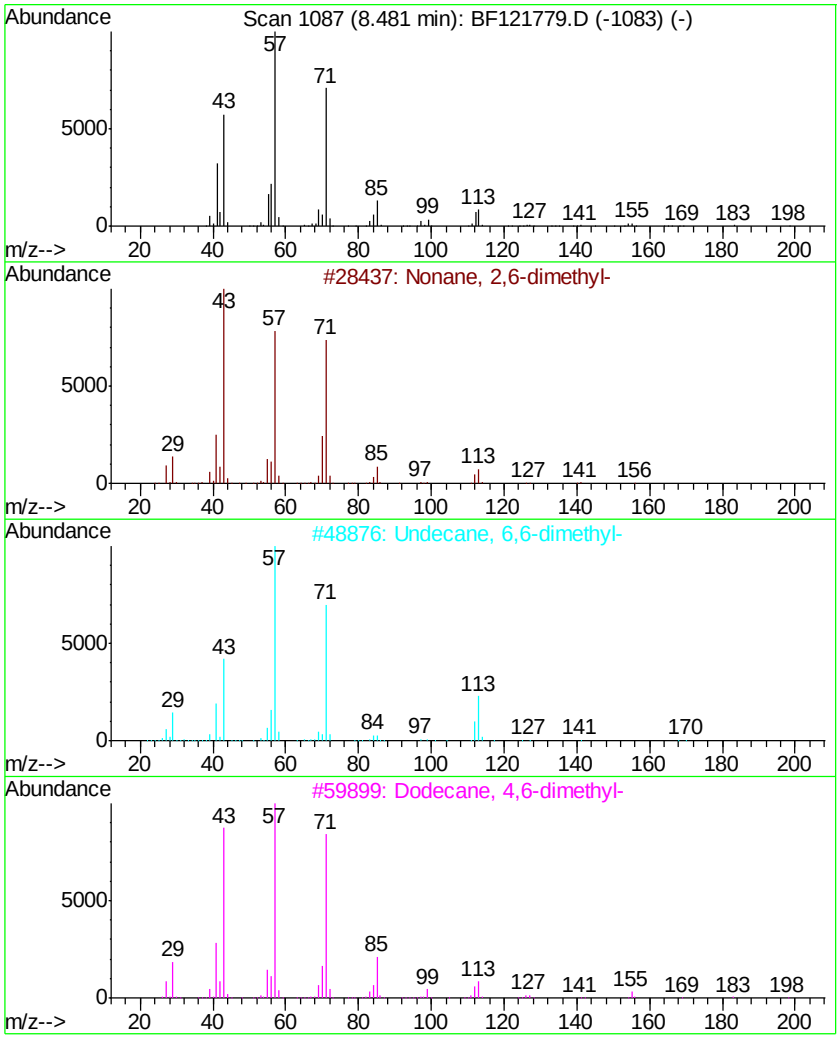
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

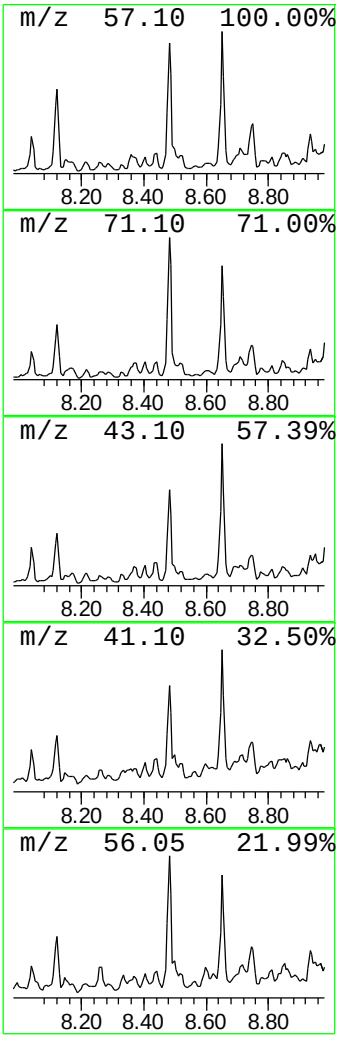
****

Peak Number 1 Nonane, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	21.72 ng	1388060	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
2	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	62
4	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

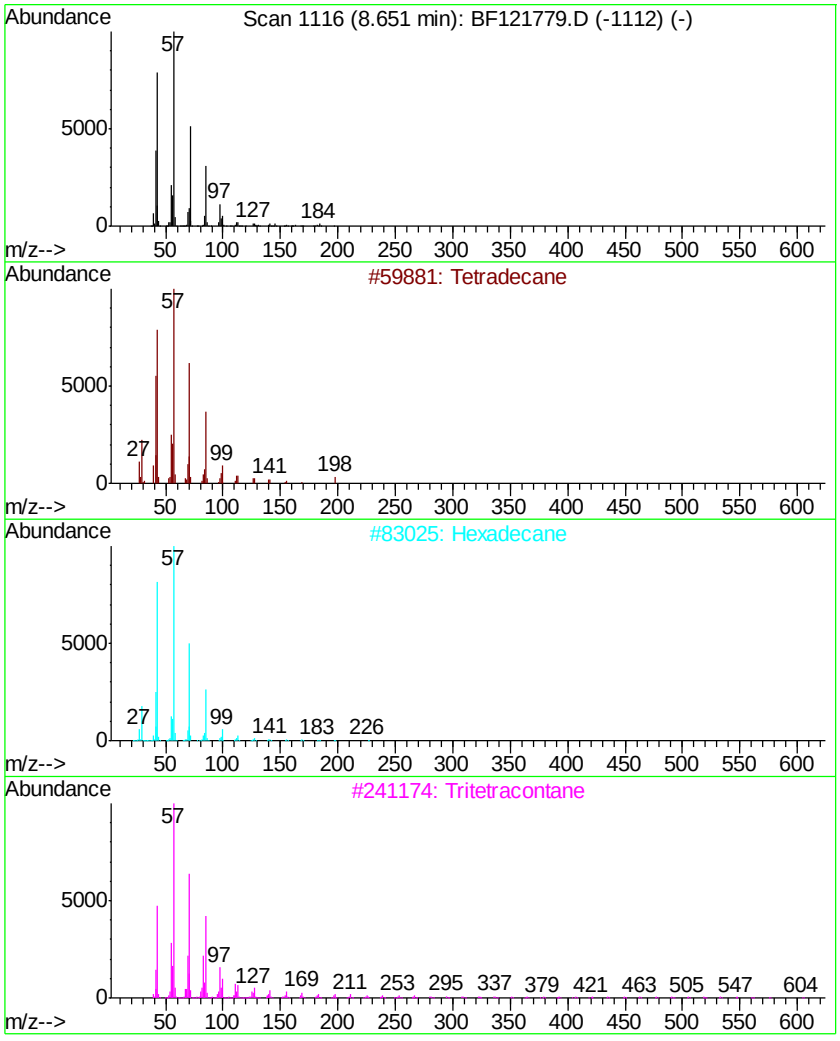
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

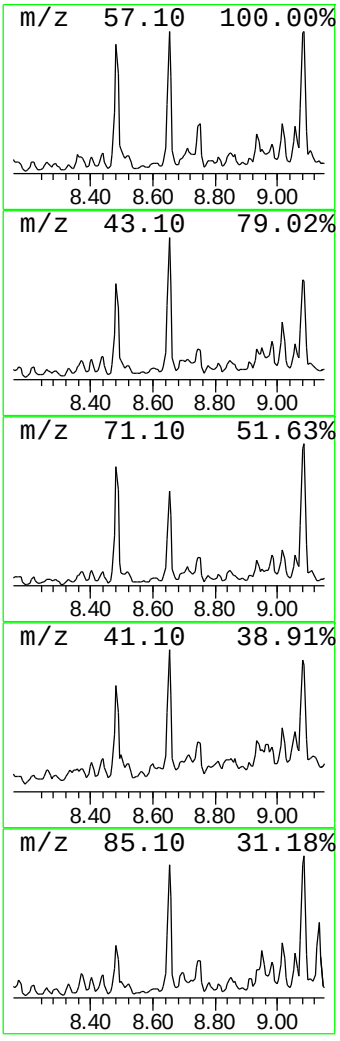
****

Peak Number 2 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	24.09 ng	1539490	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tritetracontane	605	C43H88	007098-21-7	83
4	Tridecane	184	C13H28	000629-50-5	76
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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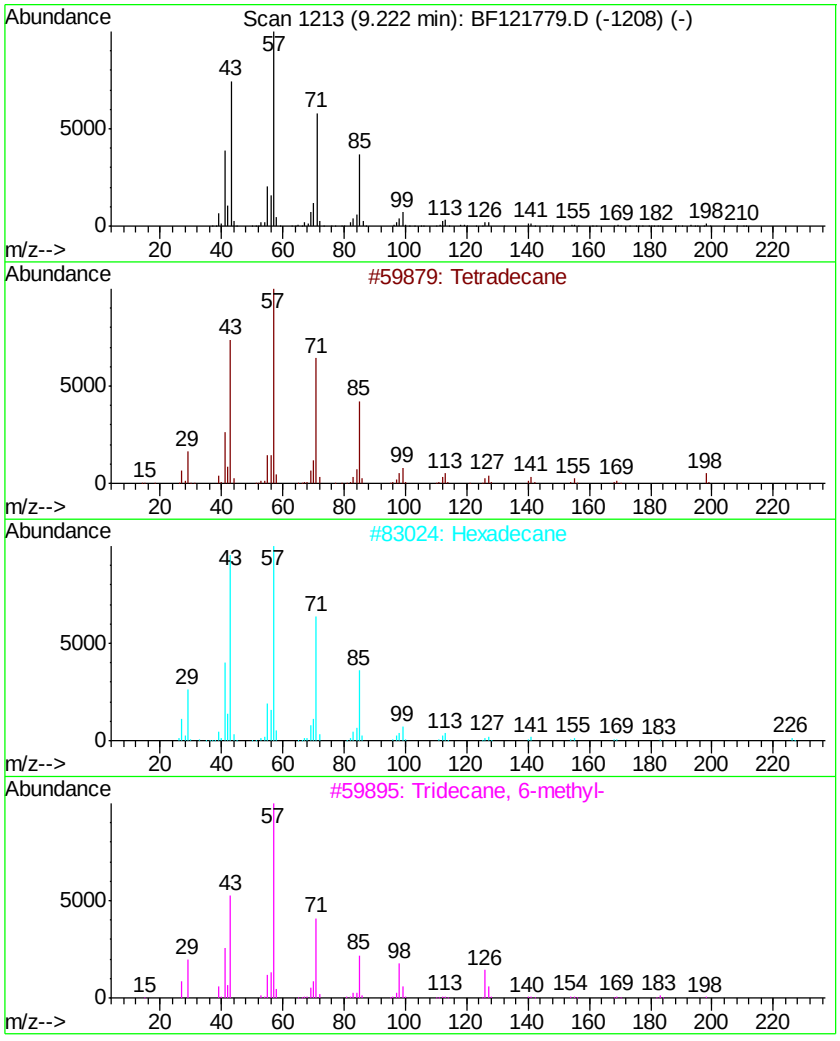
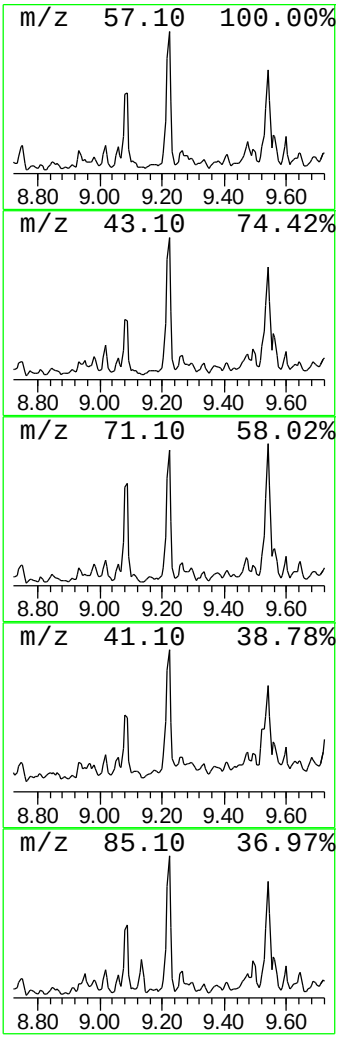
Peak Number 3 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	65.04 ng	3553870	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	97
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	72
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

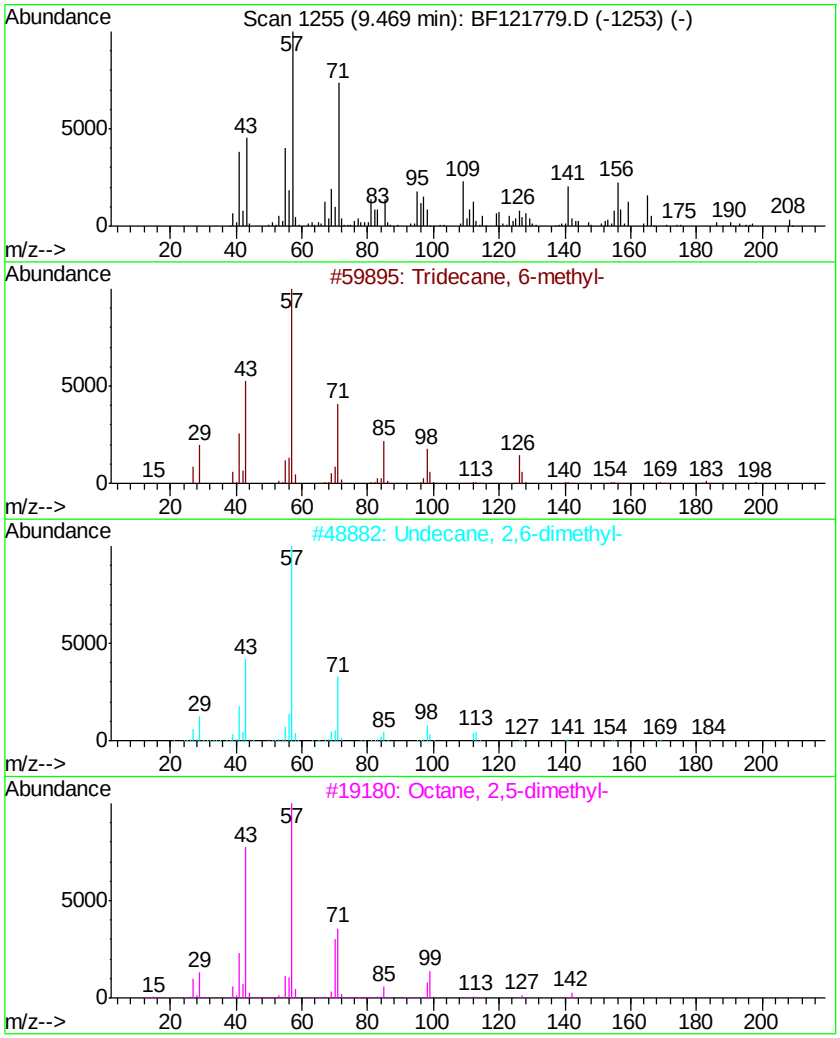
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

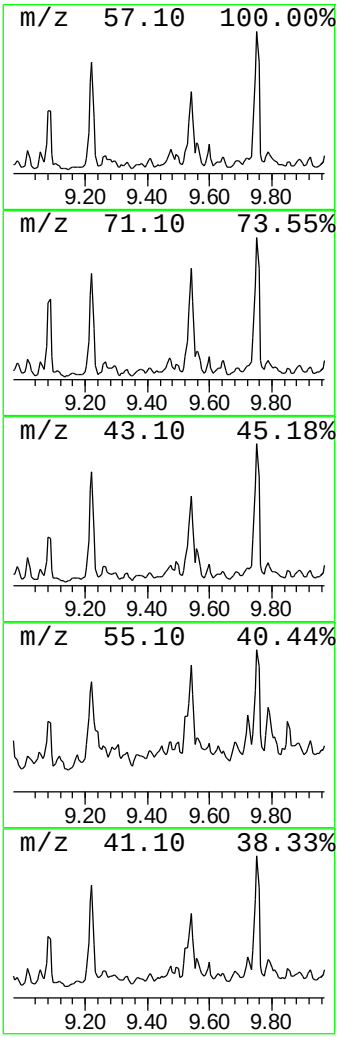
****

Peak Number 4 unknown9.47 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	14.52 ng	793185	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	38
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

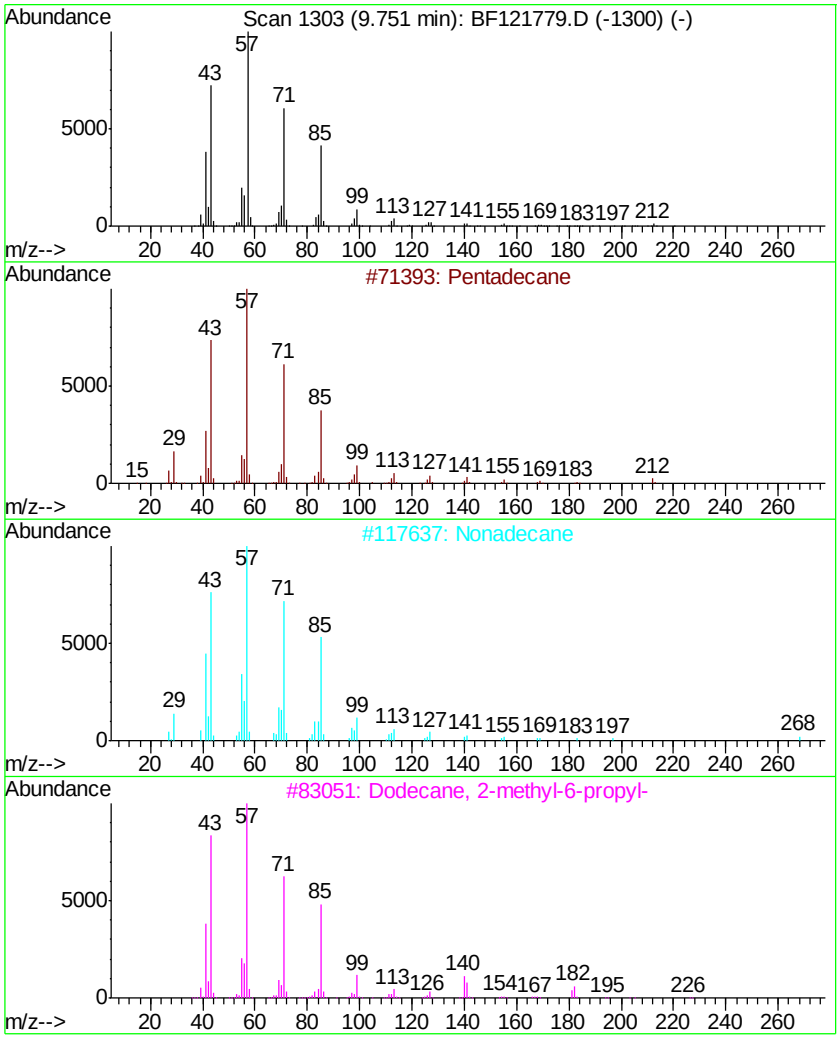
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

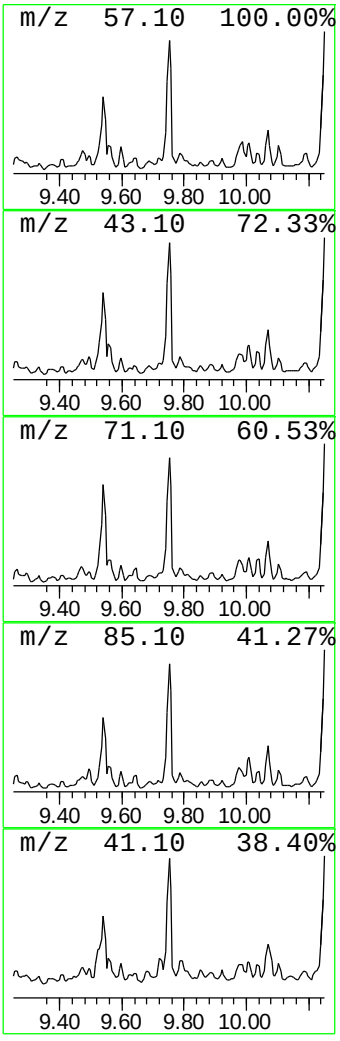
****

Peak Number 5 Pentadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	69.62 ng	3804010	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Nonadecane	268	C19H40	000629-92-5	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tridecane	184	C13H28	000629-50-5	83





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Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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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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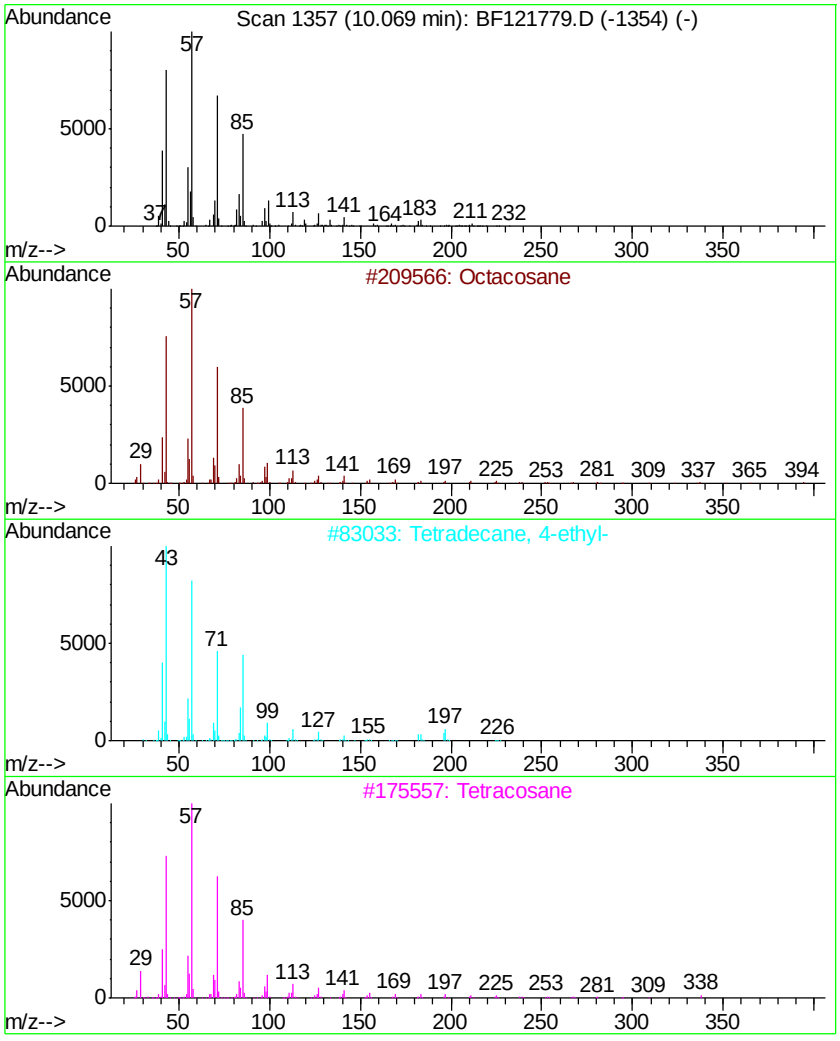
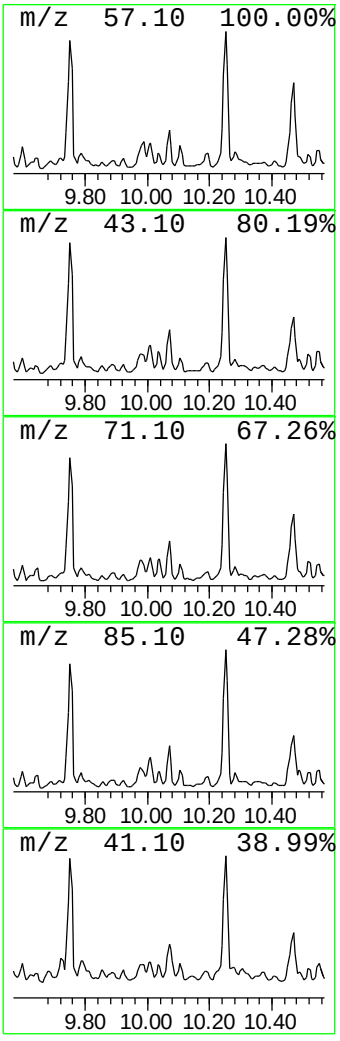
Peak Number 6 Octacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	31.71 ng	1732430	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	Hexatriacontane	507	C36H74	000630-06-8	86
5	Heptacosane	380	C27H56	000593-49-7	86





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Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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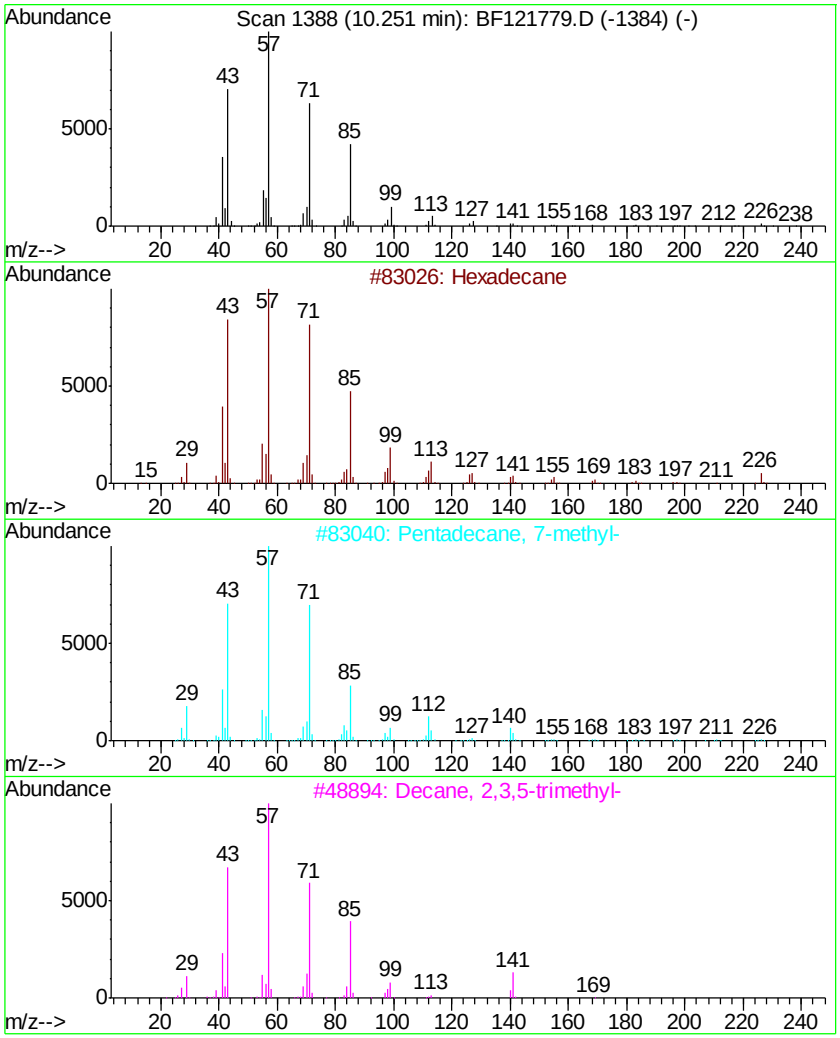
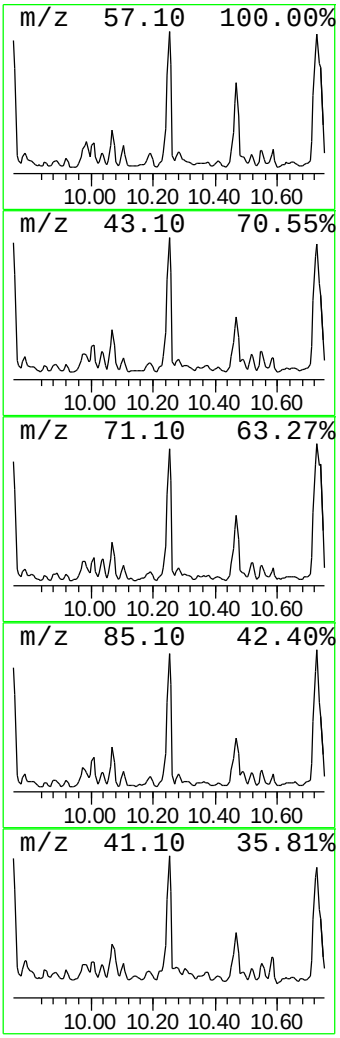
Peak Number 7 Pentadecane, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	84.42 ng	4613110	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4	Pentadecane	212	C15H32	000629-62-9	83
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





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Operator : JU/CG
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Misc :
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ClientSampleId : B-12(9-11)

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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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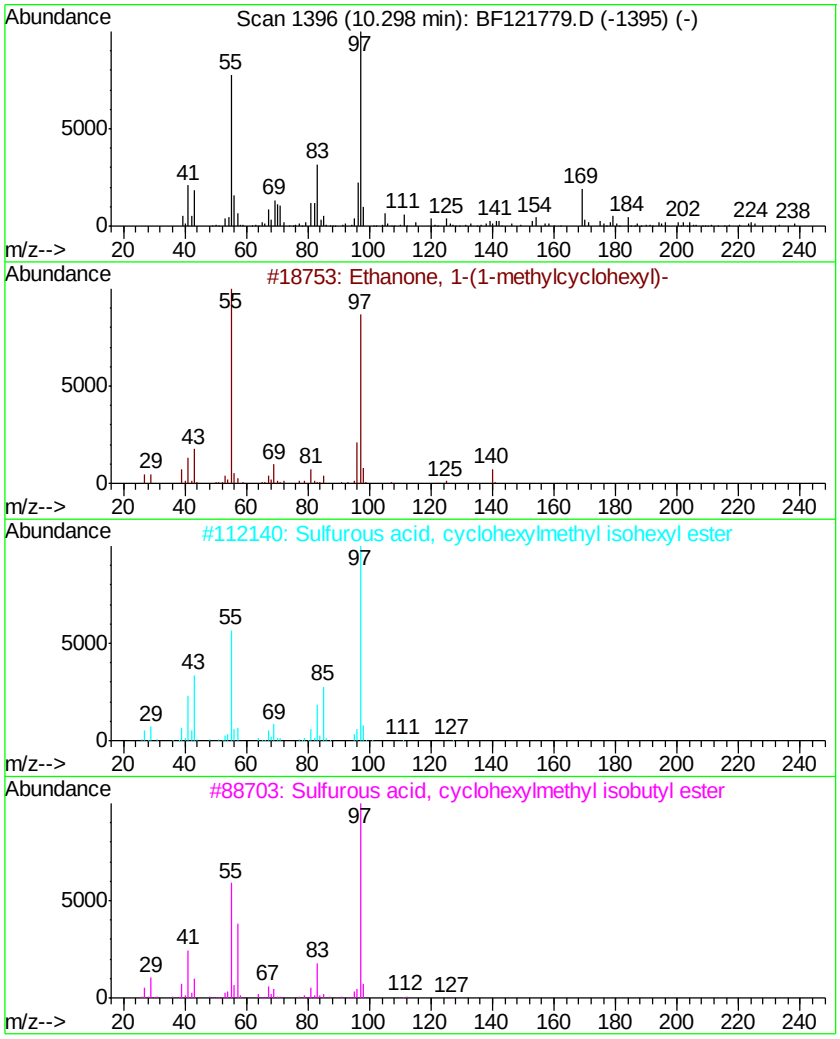
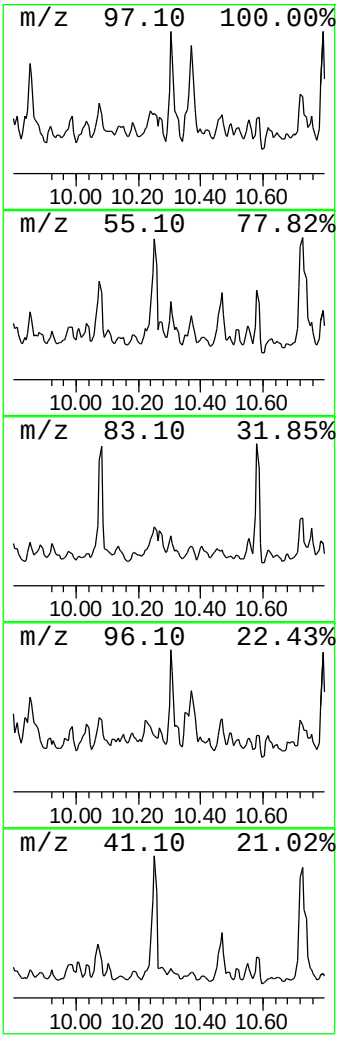
Peak Number 8 Ethanone, 1-(1-methylcycloh... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	14.61 ng	798342	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	52
2	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	50
3	Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	50
4	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	50
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50





Library Search Compound Report

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Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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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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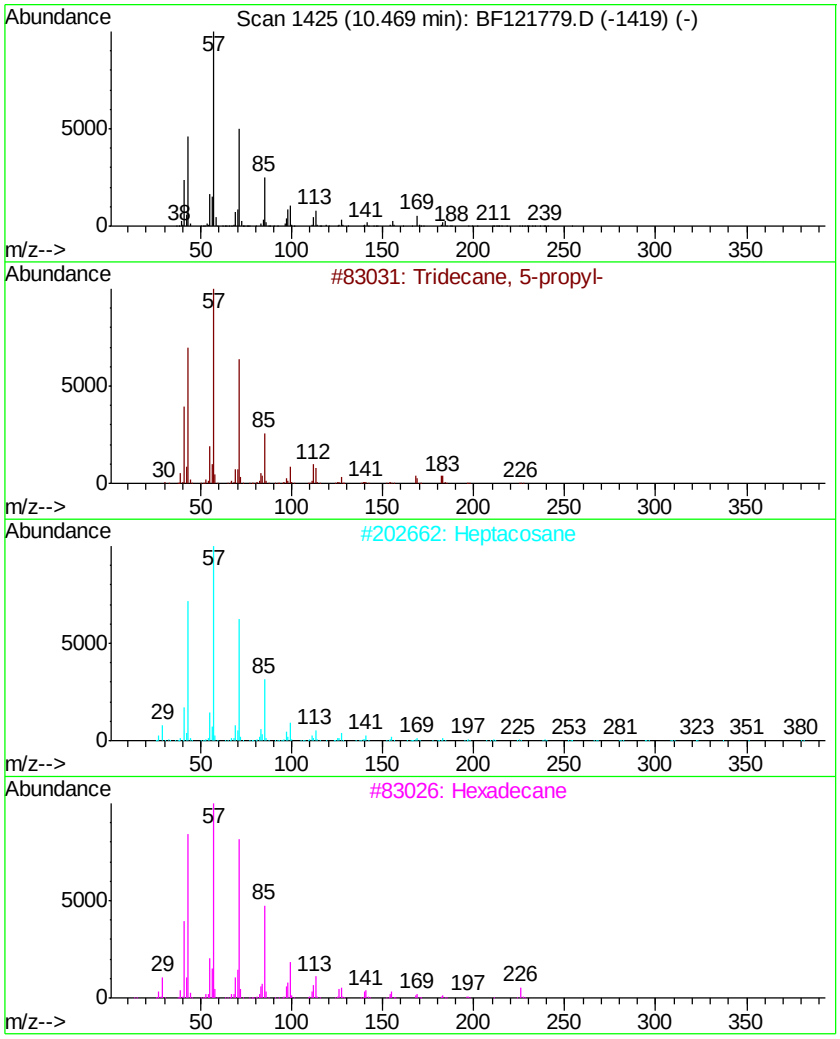
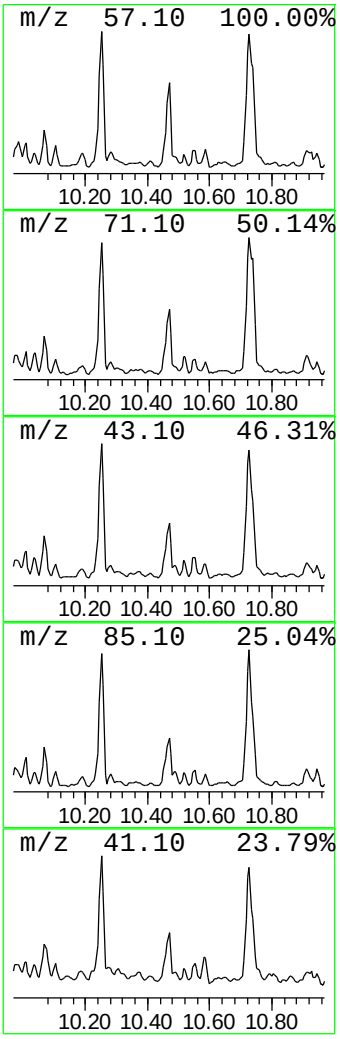
Peak Number 9 Tridecane, 5-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	53.61 ng	2929570	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
2	Heptacosane	380	C27H56	000593-49-7	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	76
5	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	70





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Operator : JU/CG
Sample : L4193-02
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ClientSampleId : B-12(9-11)

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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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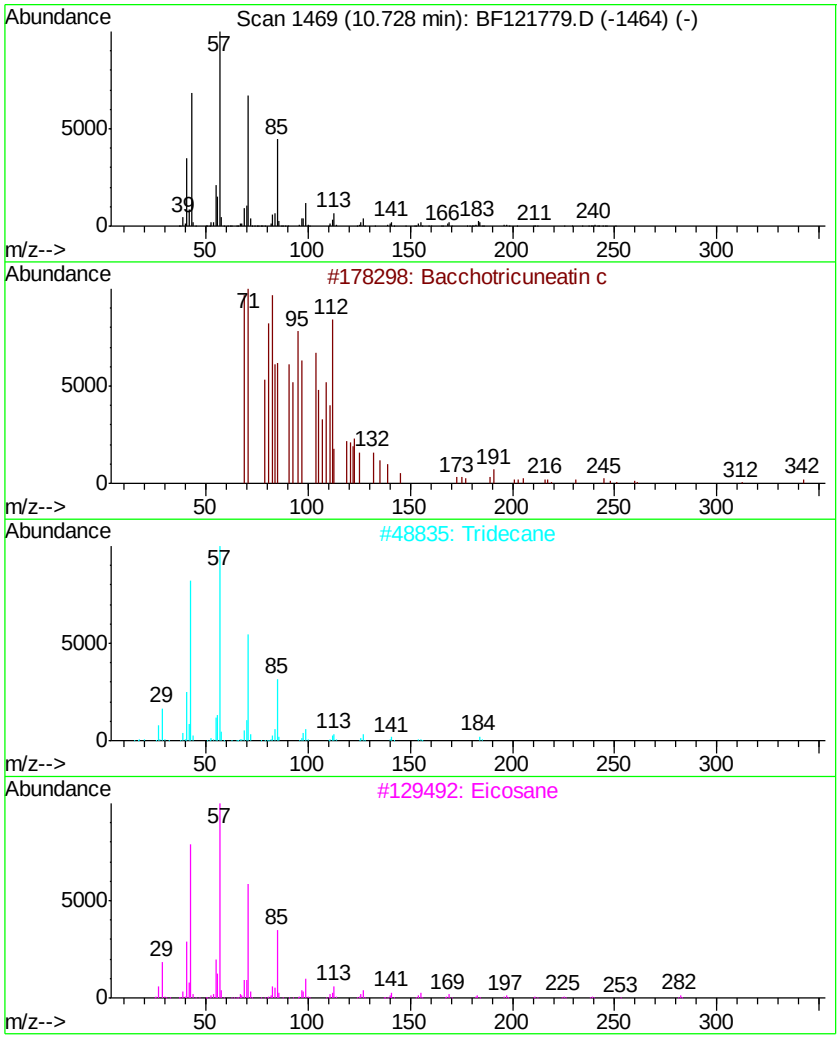
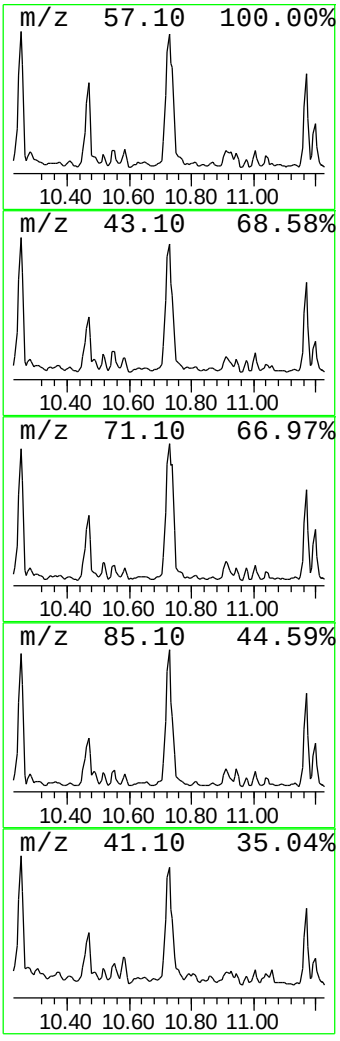
Peak Number 10 Bacchotricuneatin c Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	165.69 ng	7140320	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	Tridecane	184	C13H28	000629-50-5	94
3	Eicosane	282	C20H42	000112-95-8	91
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
5	Hexadecane	226	C16H34	000544-76-3	90





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Operator : JU/CG
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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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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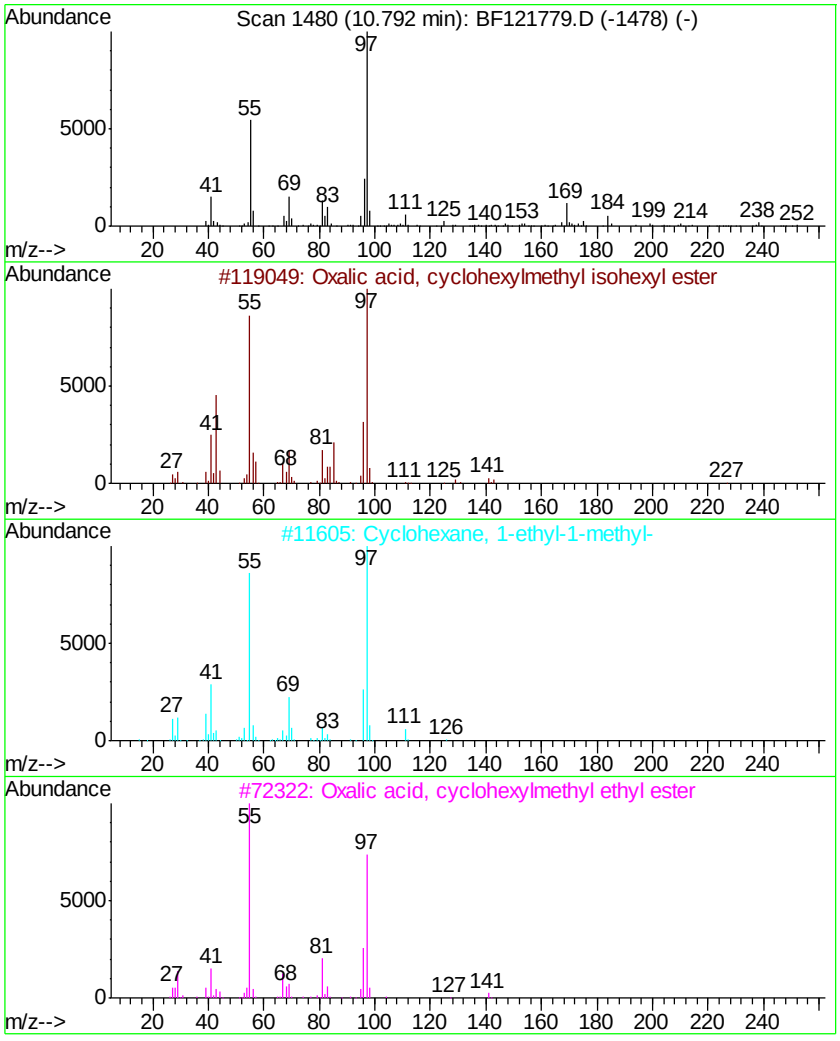
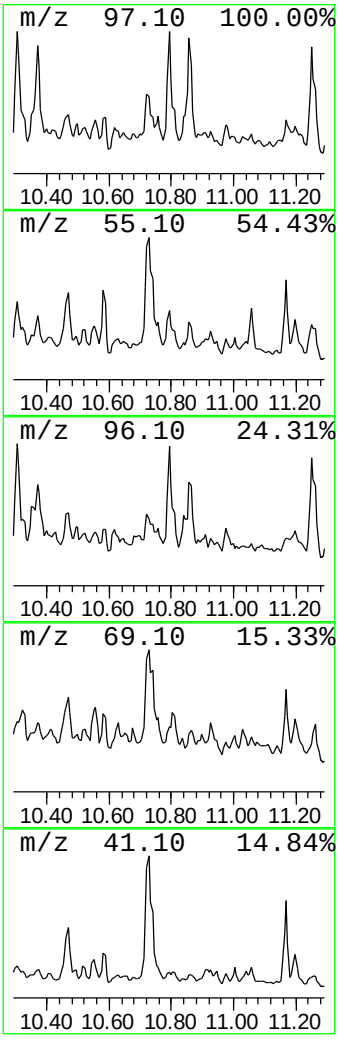
Peak Number 11 Oxalic acid, cyclohexylmeth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	14.67 ng	632143	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	64
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
3	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	64
4	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64
5	5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	64





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Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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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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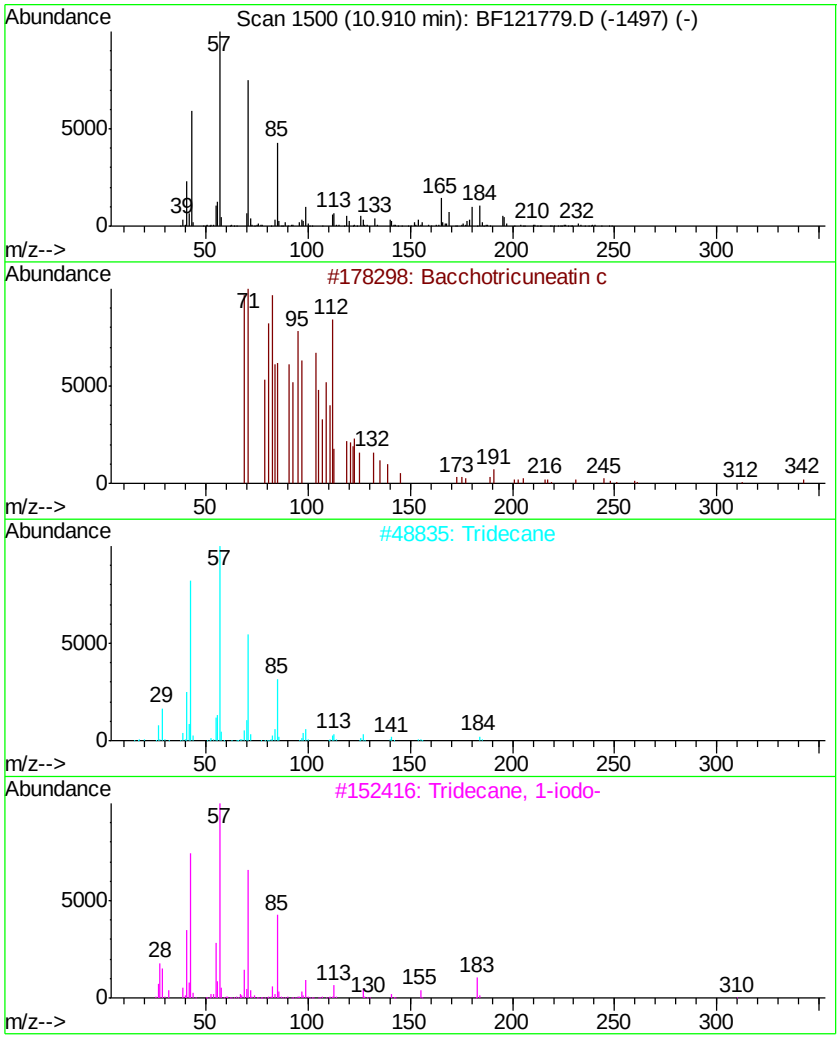
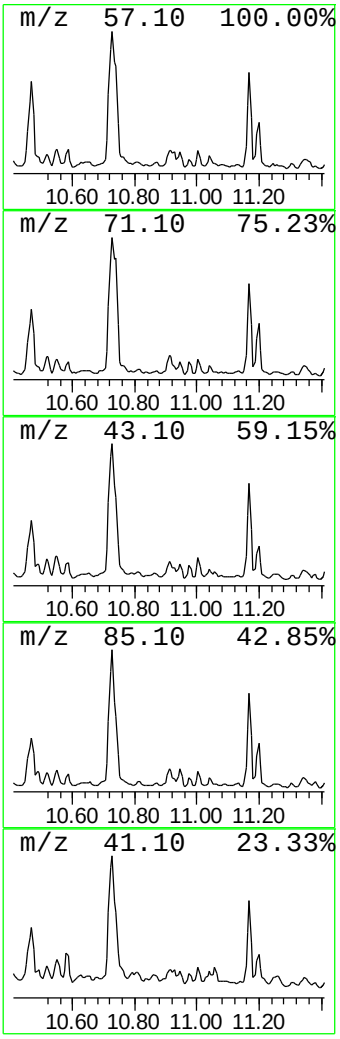
Peak Number 12 Tridecane, 1-iodo- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	12.66 ng	545492	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	Tridecane	184	C13H28	000629-50-5	74
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5	Hexadecane	226	C16H34	000544-76-3	58





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Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

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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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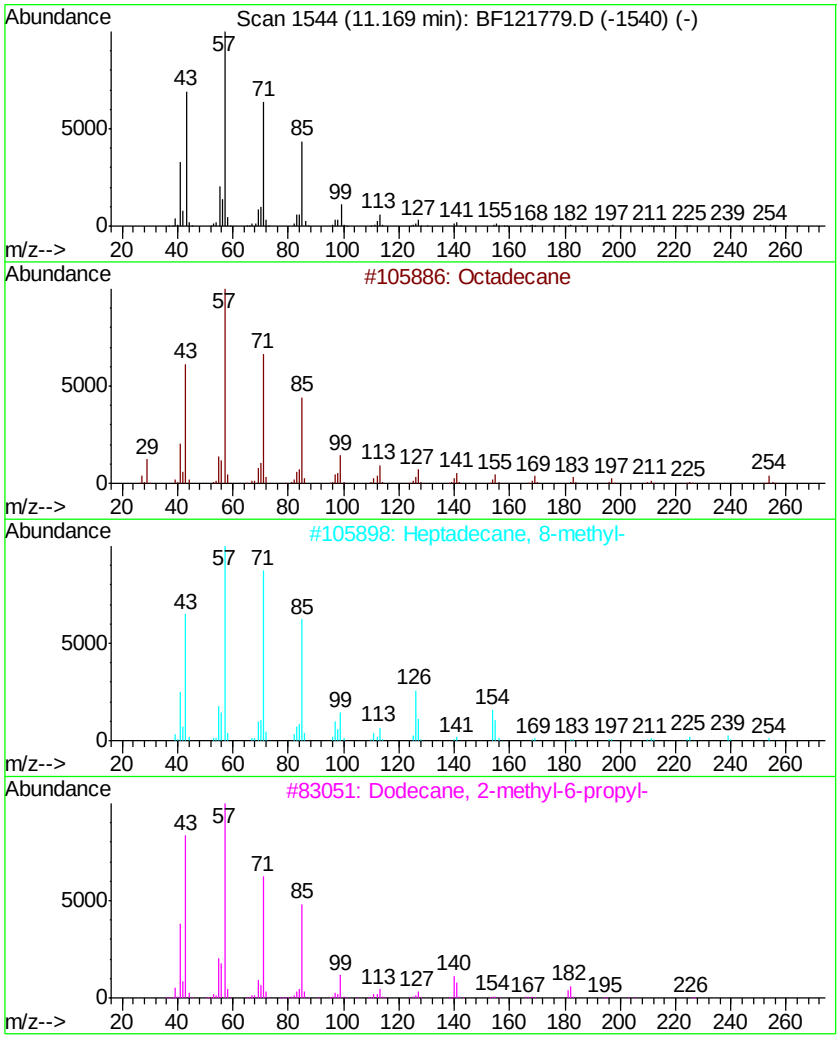
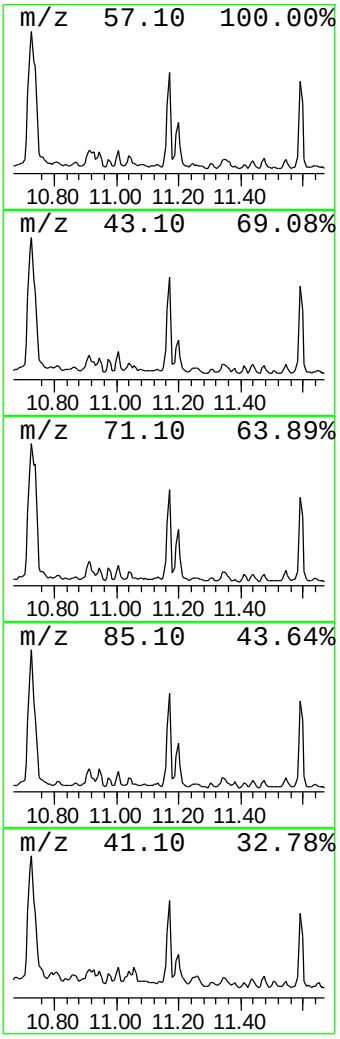
Peak Number 13 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	55.55 ng	2394080	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	83
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	78





Library Search Compound Report

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Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : B-12(9-11)

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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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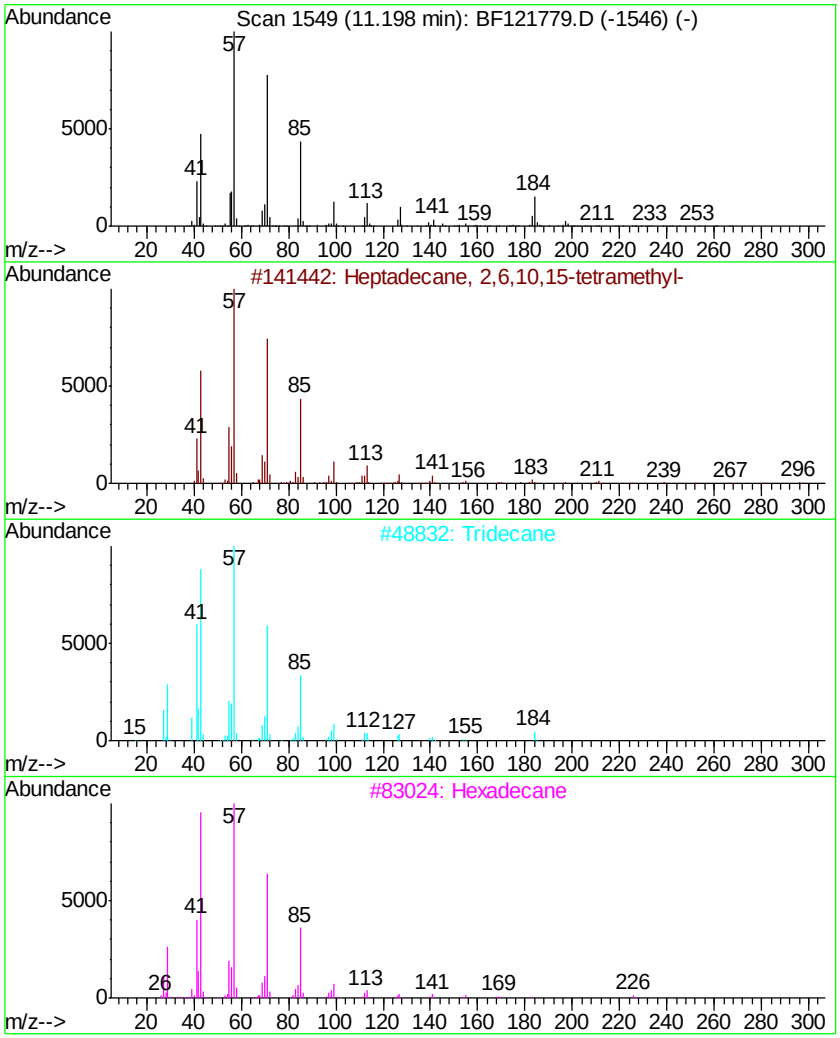
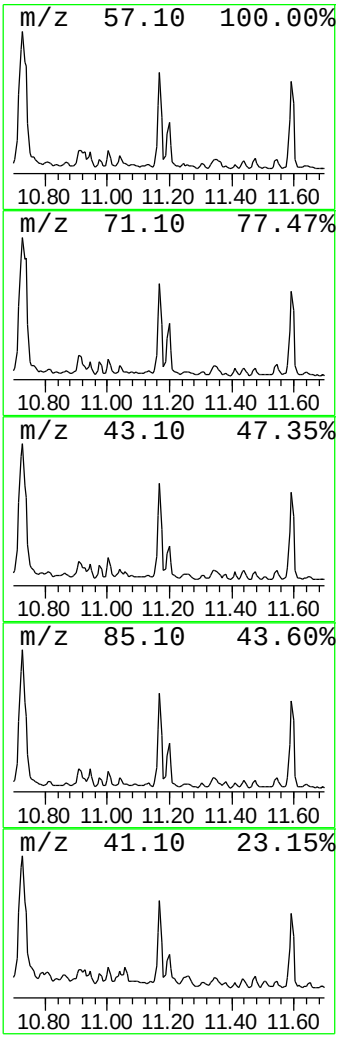
Peak Number 14 Heptadecane, 2,6,10,15-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	37.29 ng	1606760	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Tridecane	184	C13H28	000629-50-5	83
3	Hexadecane	226	C16H34	000544-76-3	72
4	Heptadecane	240	C17H36	000629-78-7	64
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58





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Sample : L4193-02
Misc :
ALS Vial : 17 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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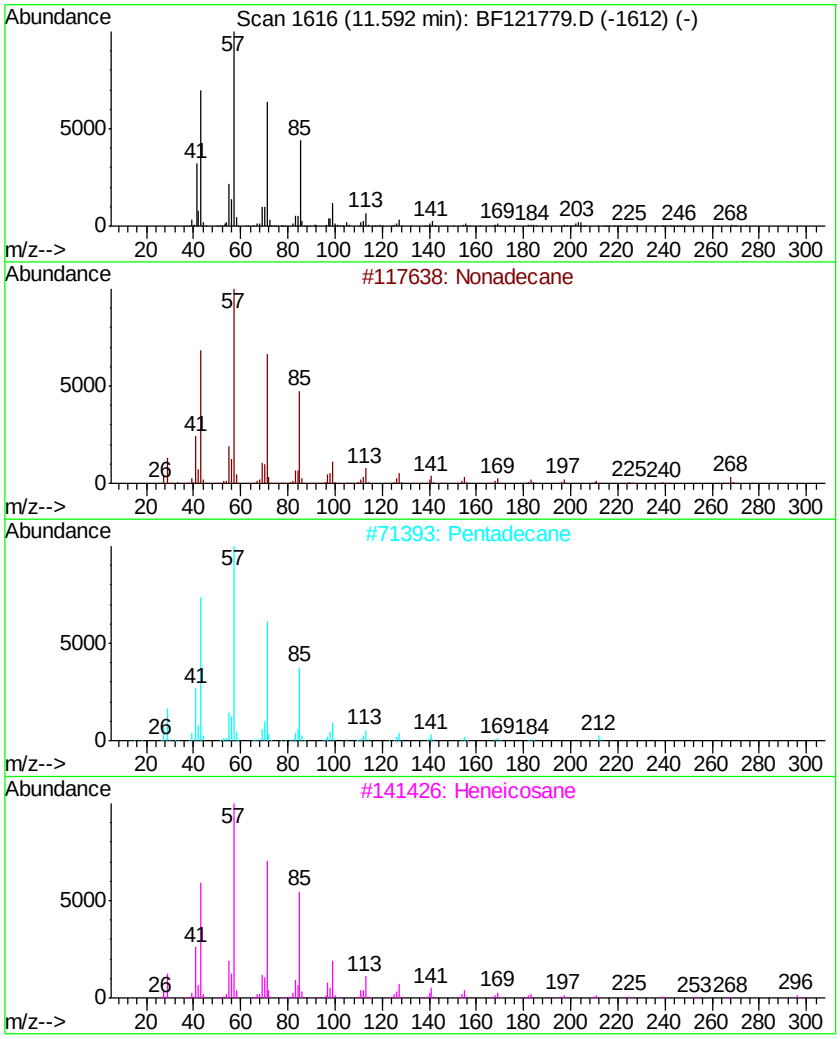
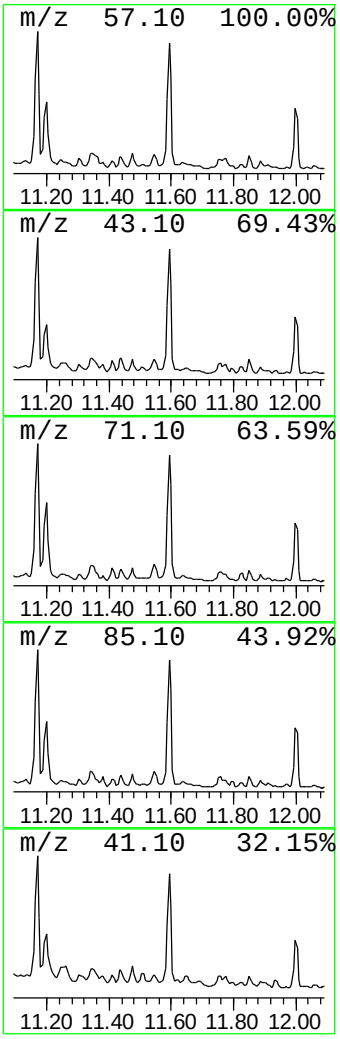
Peak Number 15 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	56.96 ng	2454440	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	97
2	Pentadecane	212	C15H32	000629-62-9	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Octadecane	254	C18H38	000593-45-3	86





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Sample : L4193-02
Misc :
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ClientSampleId : B-12(9-11)

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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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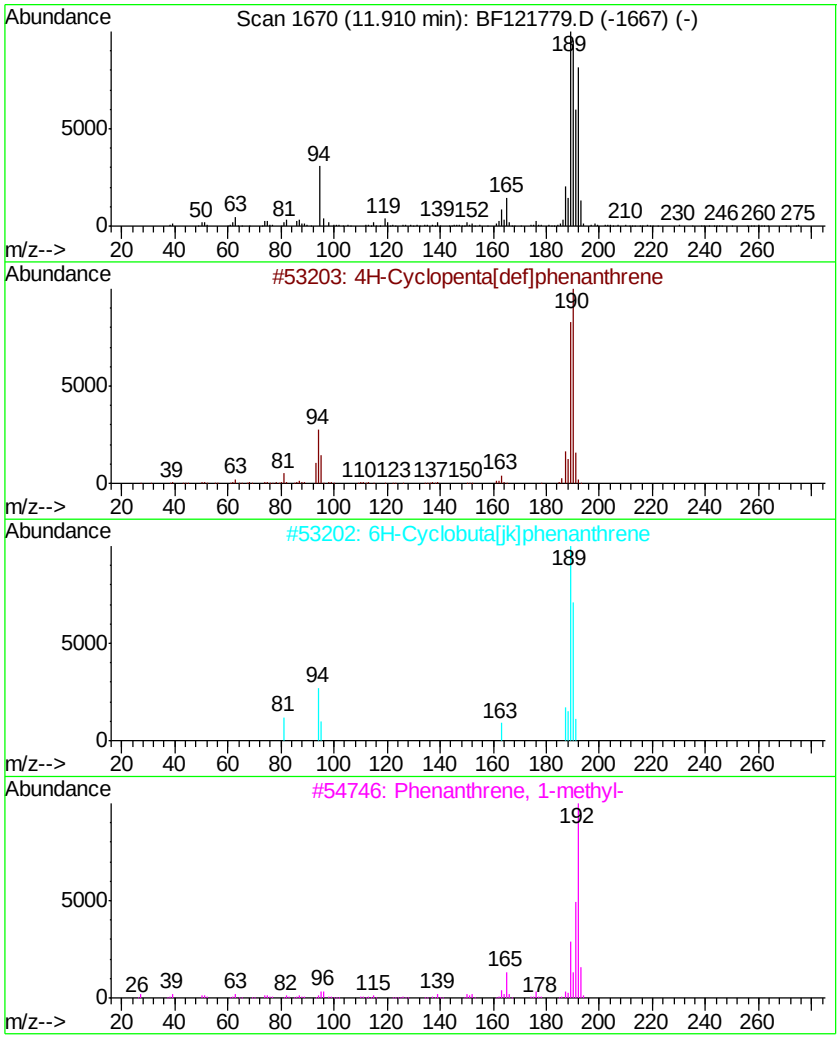
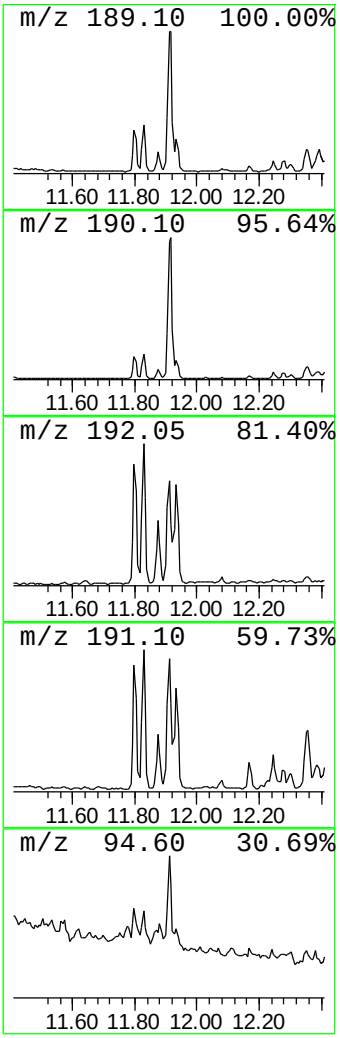
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	16.02 ng	690570	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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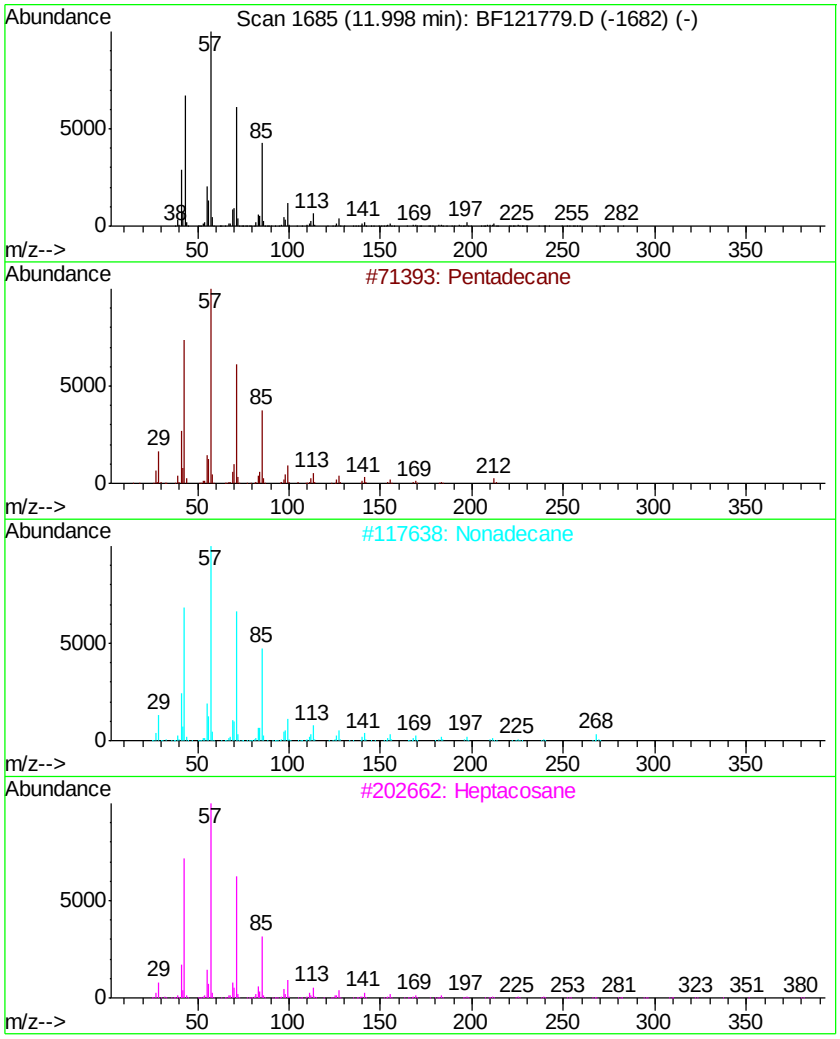
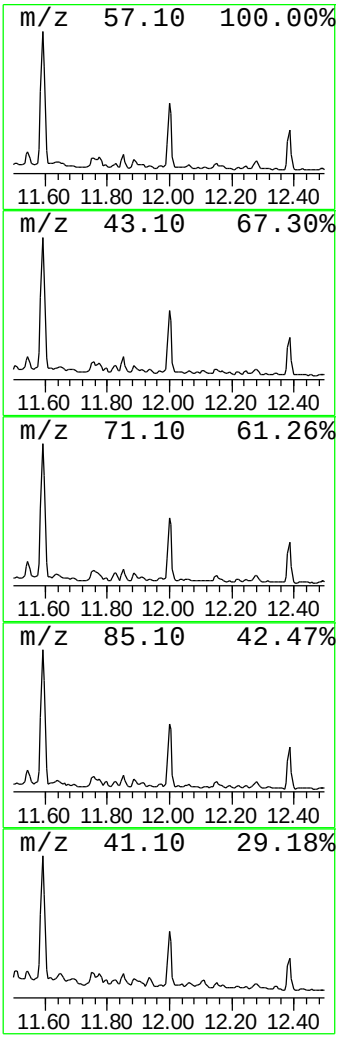
Peak Number 17 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	25.84 ng	1113380	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90





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Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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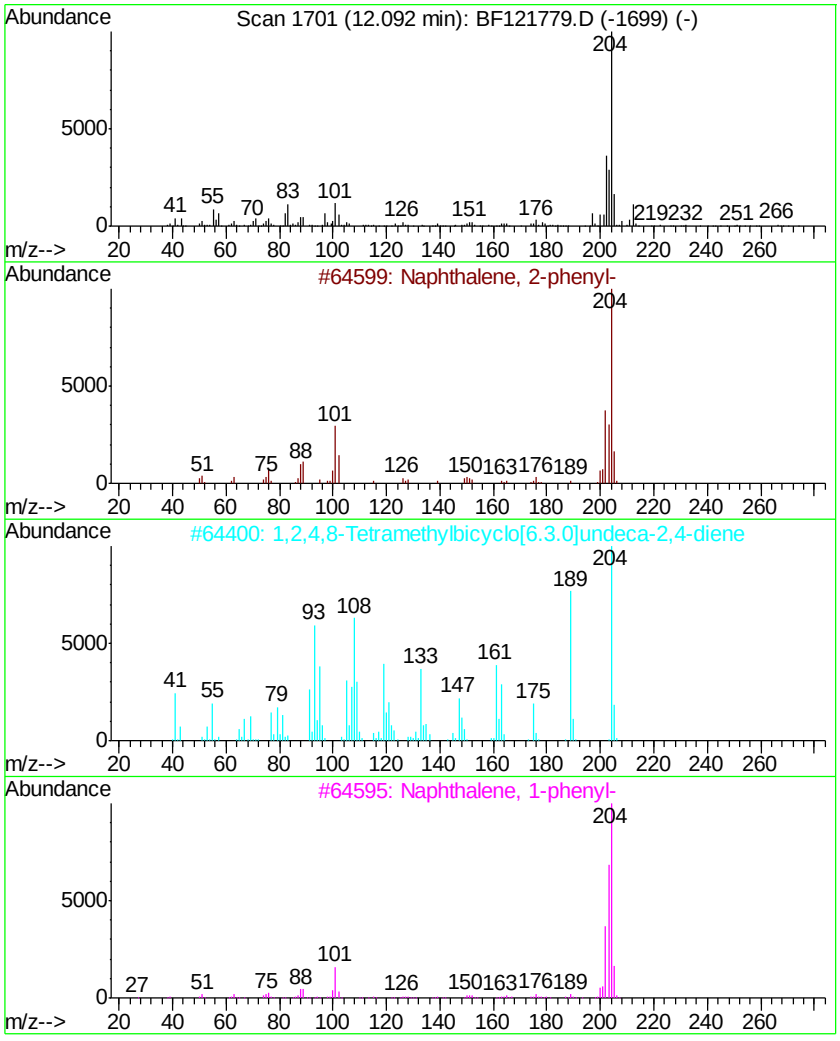
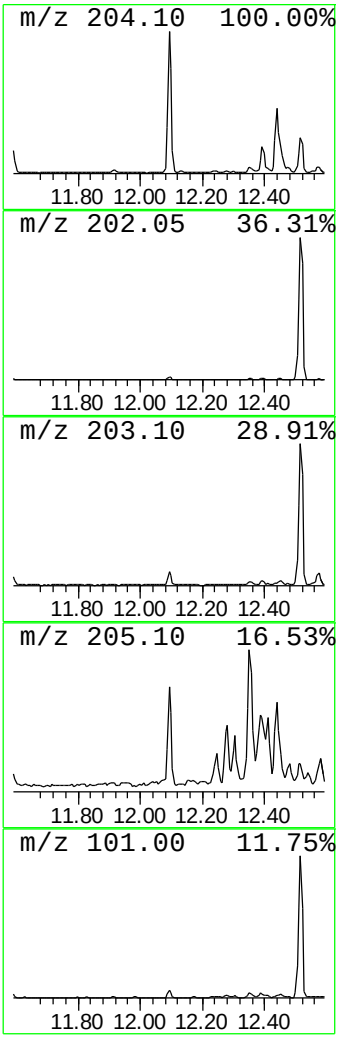
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	13.34 ng	574895	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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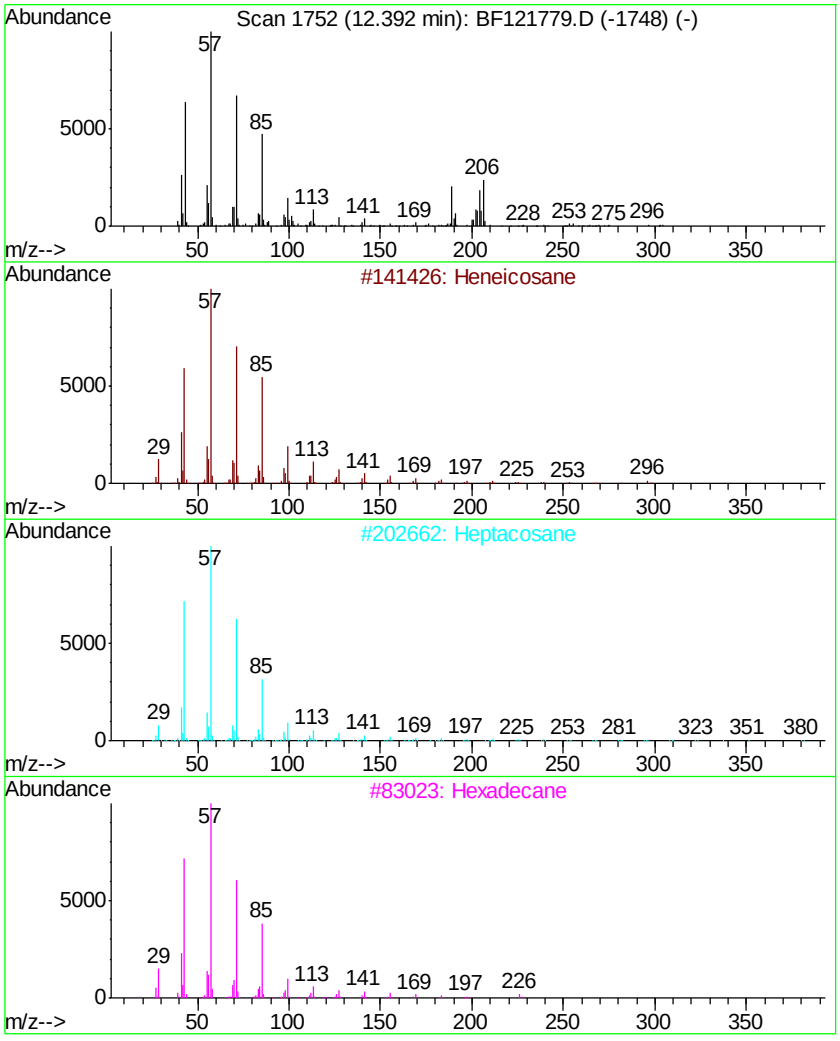
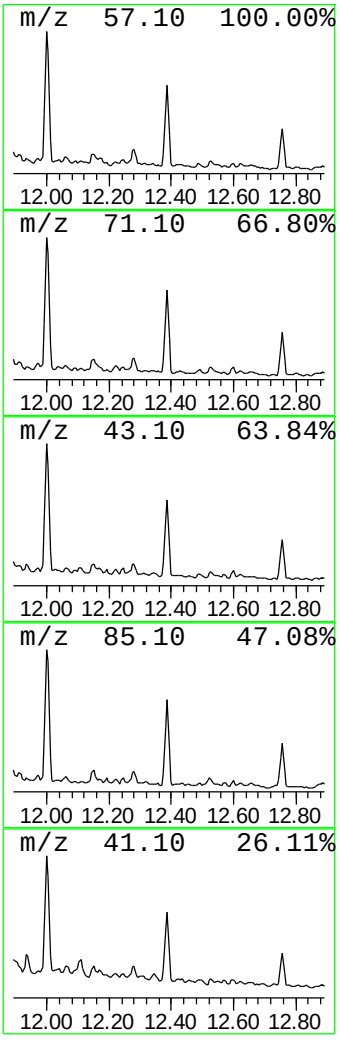
Peak Number 19 Heneicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	19.09 ng	822547	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptacosane	380	C27H56	000593-49-7	87
3	Hexadecane	226	C16H34	000544-76-3	80
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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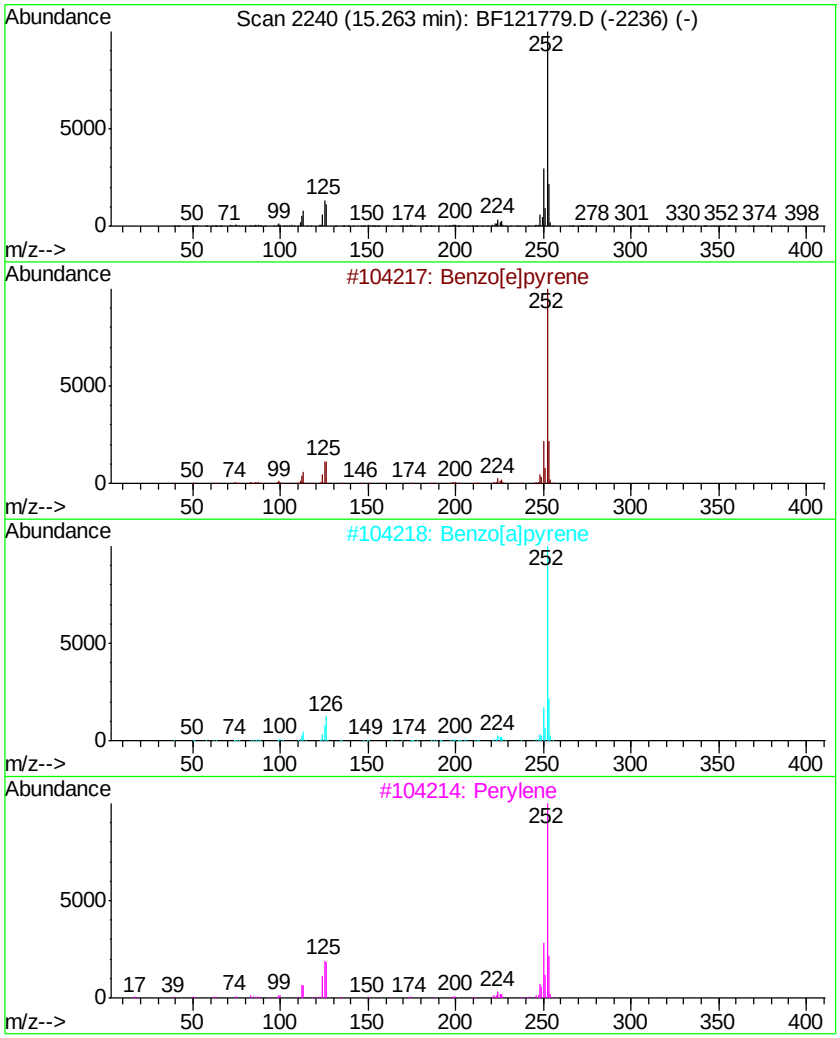
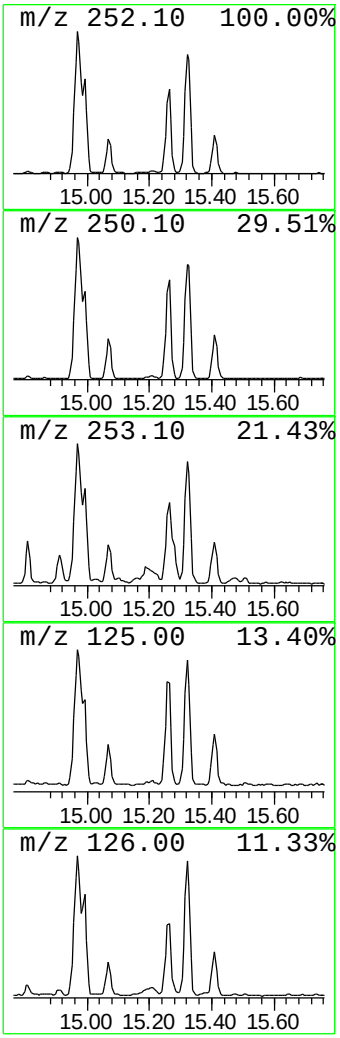
Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	24.93 ng	978204	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121779.D
Acq On : 1 Oct 2020 21:20
Operator : JU/CG
Sample : L4193-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
Nonane, 2,6-dimet...	8.48	21.7	ng	1388060	2	8.06	1278220	20.0
Tetradecane	8.65	24.1	ng	1539490	2	8.06	1278220	20.0
Hexadecane	9.22	65.0	ng	3553870	3	9.82	1092840	20.0
unknown9.47	9.47	14.5	ng	793185	3	9.82	1092840	20.0
Pentadecane	9.75	69.6	ng	3804010	3	9.82	1092840	20.0
Octacosane	10.07	31.7	ng	1732430	3	9.82	1092840	20.0
Pentadecane, 7-me...	10.25	84.4	ng	4613110	3	9.82	1092840	20.0
Ethanone, 1-(1-me...	10.30	14.6	ng	798342	3	9.82	1092840	20.0
Tridecane, 5-propyl-	10.47	53.6	ng	2929570	3	9.82	1092840	20.0
Bacchotricuneatin c	10.73	165.7	ng	7140320	4	11.30	861880	20.0
Oxalic acid, cycl...	10.79	14.7	ng	632143	4	11.30	861880	20.0
Tridecane, 1-iodo-	10.91	12.7	ng	545492	4	11.30	861880	20.0
Octadecane	11.17	55.5	ng	2394080	4	11.30	861880	20.0
Heptadecane, 2,6,...	11.20	37.3	ng	1606760	4	11.30	861880	20.0
Nonadecane	11.59	57.0	ng	2454440	4	11.30	861880	20.0
4H-Cyclopenta[def...	11.91	16.0	ng	690570	4	11.30	861880	20.0
Heptacosane	12.00	25.8	ng	1113380	4	11.30	861880	20.0
Naphthalene, 2-ph...	12.09	13.3	ng	574895	4	11.30	861880	20.0
Heneicosane	12.39	19.1	ng	822547	4	11.30	861880	20.0
Benzo[e]pyrene	15.26	24.9	ng	978204	6	15.38	784831	20.0