LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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	5.398	558	563	566	rBV	2844956	2783559	32.27%	1.923%
2	6.416	731	736	739	rBV	2849433	2823356	32.73%	1.950%
3	6.775	793	797	803	rVB2	957843	998727	11.58%	0.690%
4	7.339	888	893	896	rVV	2020175	1951709	22.63%	1.348%
5	8.039	1009	1012	1013	rVV	861313	693798	8.04%	0.479%
6	8.057	1013	1015	1017	rVV	1135709	976901	11.33%	0.675%
7	8.081	1017	1019	1021	rVV	587984	473239	5.49%	0.327%
8	8.122	1021	1026	1028	rVB	908760	828541	9.61%	0.572%
9	8.351	1057	1065	1067	rBV5	446978	721707	8.37%	0.499%
10	8.439	1076	1080	1083	rVB2	401635	432062	5.01%	0.298%
11	8.481	1083	1087	1089	rBV	1437431	1340158	15.54%	0.926%
12	8.651	1112	1116	1120	rBV	1537919	1417363	16.43%	0.979%
13	8.745	1129	1132	1135	rVV	422223	510697	5.92%	0.353%
14	9.016	1174	1178	1181	rBV	500910	470384	5.45%	0.325%
15	9.051	1181	1184	1186	rVV2	445603	412937	4.79%	0.285%
16	9.081	1186	1189	1192	rVB	1417674	1167317	13.53%	0.806%
17	9.133	1193	1198	1201	rBV	3077648	2796717	32.42%	1.932%
18	9.216	1208	1212	1217	rBV	2346754	2639023	30.59%	1.823%
19	9.469	1253	1255	1258	rBV2	496378	475243	5.51%	0.328%
20	9.522	1261	1264	1265	rBV	1937569	1661455	19.26%	1.148%
21	9.539	1265	1267	1269	rVB	1627410	1210459	14.03%	0.836%
22	9.675	1287	1290	1293	rBV3	669105	773653	8.97%	0.534%
23	9.722	1295	1298	1300	rVV	1200469	1127808	13.07%	0.779%
24	9.745	1300	1302	1306	rVV	2487936	2343909	27.17%	1.619%
25	9.792	1306	1310	1311	rVV2	557905	664104	7.70%	0.459%
26	9.810	1311	1313	1316	rVB	1064998	1006155	11.66%	0.695%
27	9.845	1316	1319	1323	rBV	1390114	1299017	15.06%	0.897%
28	9.975	1338	1341	1344	rVV3	337539	463837	5.38%	0.320%
29	10.016	1344	1348	1353	rVB2	770871	1149130	13.32%	0.794%
30	10.069	1353	1357	1360	rBV3	692080	843068	9.77%	0.582%
31	10.180	1374	1376	1380	rVB2	378206	374505	4.34%	0.259%
32	10.222	1380	1383	1384	rBV2	466989	430244	4.99%	0.297%
33	10.245	1384	1387	1390	rVV	2523199	2220259	25.74%	1.534%
34	10.363	1403	1407	1412	rBV	1114743	1176493	13.64%	0.813%

LSC Area Percent Report

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Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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	10.463	1419	1424	1427	rBV	1340763	1738021	20.15%	1.201%
36	10.516	1430	1433	1436	rVB2	510210	448877	5.20%	0.310%
37	10.604	1445	1448	1451	rVB	1709028	1515136	17.57%	1.047%
38	10.722	1464	1468	1473	rBV2	2723089	4285211	49.68%	2.960%
39	11.104	1530	1533	1536	rVV	462455	384865	4.46%	0.266%
40	11.169	1538	1544	1546	rVV	1998718	2036017	23.60%	1.406%
41	11.192	1546	1548	1554	rVB	1236618	1377890	15.97%	0.952%
42	11.304	1563	1567	1568	rBV	776809	895566	10.38%	0.619%
43	11.333	1568	1572	1575	rVV	5132688	6379803	73.96%	4.407%
44	11.380	1575	1580	1582	rVV	2460844	2118294	24.56%	1.463%
45	11.527	1599	1605	1613	rVV2	970863	1374181	15.93%	0.949%
46	11.592	1613	1616	1619	rVV	1821925	1464646	16.98%	1.012%
47	11.798	1648	1651	1654	rBV	785521	689922	8.00%	0.477%
48	11.827	1654	1656	1661	rVB	1146157	998584	11.58%	0.690%
49	11.874	1661	1664	1667	rBV	448636	440605	5.11%	0.304%
50	11.916	1667	1671	1673	rBV	1433665	1438588	16.68%	0.994%
51	11.998	1682	1685	1688	rVV	1143129	1011172	11.72%	0.699%
52	12.092	1698	1701	1704	rVV	663929	621791	7.21%	0.430%
53	12.127	1704	1707	1709	rVV	524988	479829	5.56%	0.331%
54	12.351	1741	1745	1747	rBV	442647	481177	5.58%	0.332%
55	12.386	1747	1751	1754	rVV	923582	864341	10.02%	0.597%
56	12.445	1757	1761	1765	rVB2	383985	471388	5.46%	0.326%
57	12.527	1769	1775	1778	rVB	5723792	8113433	94.06%	5.605%
58	12.663	1793	1798	1800	rBV2	427419	455309	5.28%	0.315%
59	12.757	1807	1814	1817	rBV3	5493509	8625773	100.00%	5.959%
60	12.792	1817	1820	1825	rVB2	441636	522750	6.06%	0.361%
61	12.863	1828	1832	1833	rBV	511547	585332	6.79%	0.404%
62	12.886	1833	1836	1842	rVB2	2618914	2998466	34.76%	2.071%
63	12.963	1843	1849	1852	rBV3	558696	989843	11.48%	0.684%
64	13.045	1859	1863	1865	rBV3	473190	576623	6.68%	0.398%
65	13.068	1865	1867	1870	rVB	1334685	1291316	14.97%	0.892%
66	13.139	1876	1879	1881	rVV	1130467	1001739	11.61%	0.692%
67	13.174	1881	1885	1887	rVV2	818761	921065	10.68%	0.636%
68	13.292	1903	1905	1909	rBV2	381156	420076	4.87%	0.290%
69	13.457	1928	1933	1936	rBV4	275384	489098	5.67%	0.338%
70	13.580	1951	1954	1958	rVB	643981	637233	7.39%	0.440%
71	13.686	1968	1972	1974	rBV	937389	899463	10.43%	0.621%

LSC Area Percent Report

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Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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	13.715	1974	1977	1979	rVV	871361	834481	9.67%	0.576%
73	13.739	1979	1981	1987	rVV3	736035	1172975	13.60%	0.810%
74	13.792	1987	1990	1996	rVV	1018162	1197428	13.88%	0.827%
75	13.939	2007	2015	2018	rBV2	4025712	6887656	79.85%	4.758%
76	13.980	2018	2022	2028	rVV	3900716	4401235	51.02%	3.040%
77	14.051	2031	2034	2038	rVV	1292079	1204922	13.97%	0.832%
78	14.086	2038	2040	2045	rVV2	330796	590634	6.85%	0.408%
79	14.133	2045	2048	2050	rVV	569429	563809	6.54%	0.389%
80	14.168	2050	2054	2057	rVV2	587530	818399	9.49%	0.565%
81	14.286	2071	2074	2077	rVV2	415370	524098	6.08%	0.362%
82	14.327	2077	2081	2084	rVV	1011191	1142287	13.24%	0.789%
83	14.357	2084	2086	2090	rVV2	476380	513499	5.95%	0.355%
84	14.421	2095	2097	2099	rVV	506535	479542	5.56%	0.331%
85	14.451	2099	2102	2104	rVV	615958	668651	7.75%	0.462%
86	14.468	2104	2105	2109	rVV2	645828	575097	6.67%	0.397%
87	14.515	2109	2113	2119	rVB3	315265	545281	6.32%	0.377%
88	14.639	2130	2134	2136	rBV	353787	421656	4.89%	0.291%
89	14.815	2160	2164	2167	rBV2	395657	448983	5.21%	0.310%
90	14.986	2186	2193	2195	rBV	3174603	5499879	63.76%	3.799%
91	15.080	2205	2209	2212	rVB	901852	855144	9.91%	0.591%
92	15.162	2219	2223	2228	rBV3	228583	557953	6.47%	0.385%
93	15.274	2236	2242	2247	rVB	1744391	2654839	30.78%	1.834%
94	15.345	2247	2254	2257	rVB	2632272	3636394	42.16%	2.512%
95	15.392	2257	2262	2264	rBV	656187	828197	9.60%	0.572%
96	15.421	2264	2267	2273	rVB2	996686	1395862	16.18%	0.964%
97	16.827	2498	2506	2511	rVB	1235018	2448694	28.39%	1.692%
98	16.980	2527	2532	2536	rBV	252578	444217	5.15%	0.307%
99	17.256	2571	2579	2587	rVB	881577	1946186	22.56%	1.344%
100	17.480	2611	2617	2631	rVB2	294069	800381	9.28%	0.553%

Sum of corrected areas: 144759336

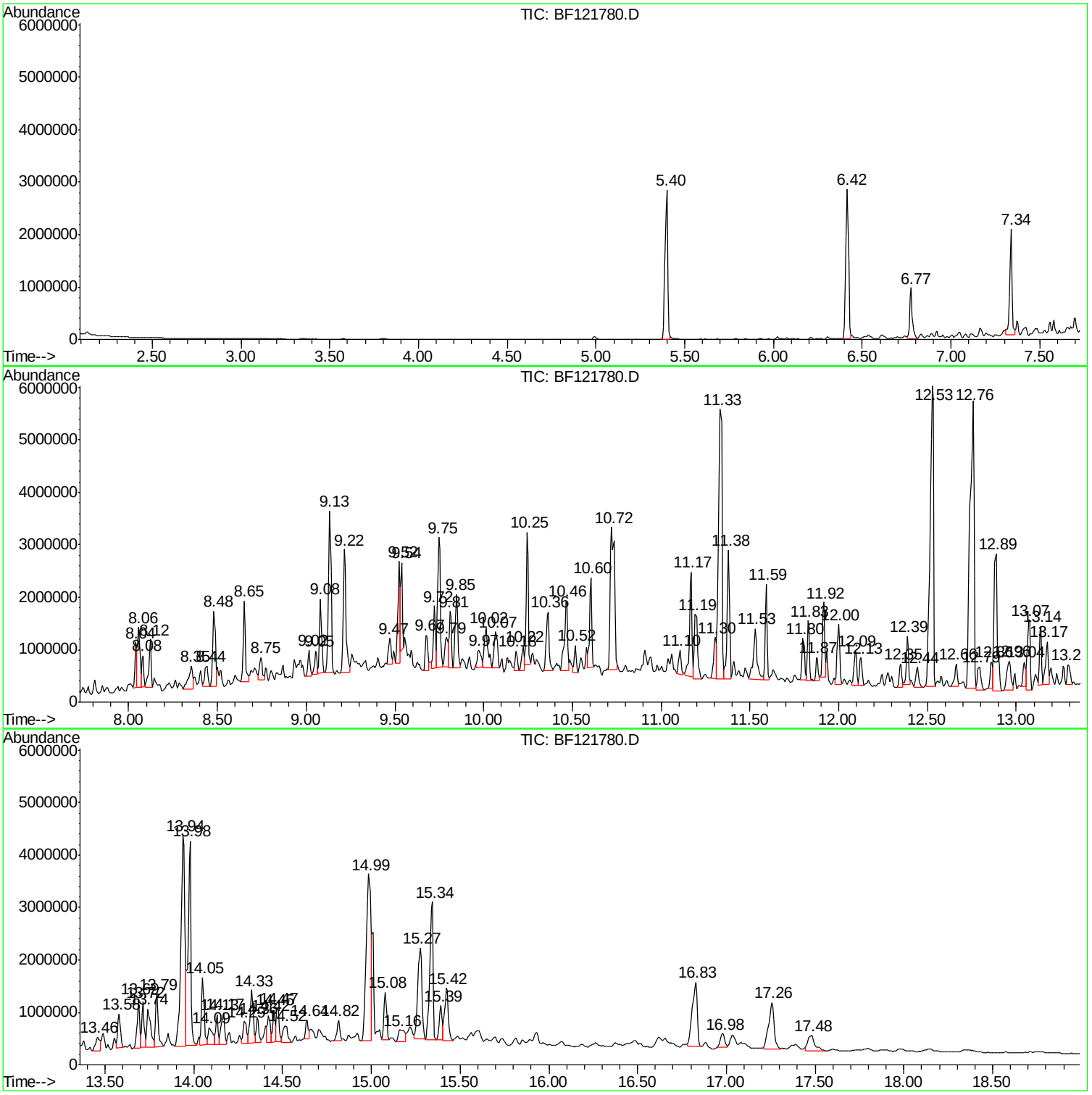
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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 : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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

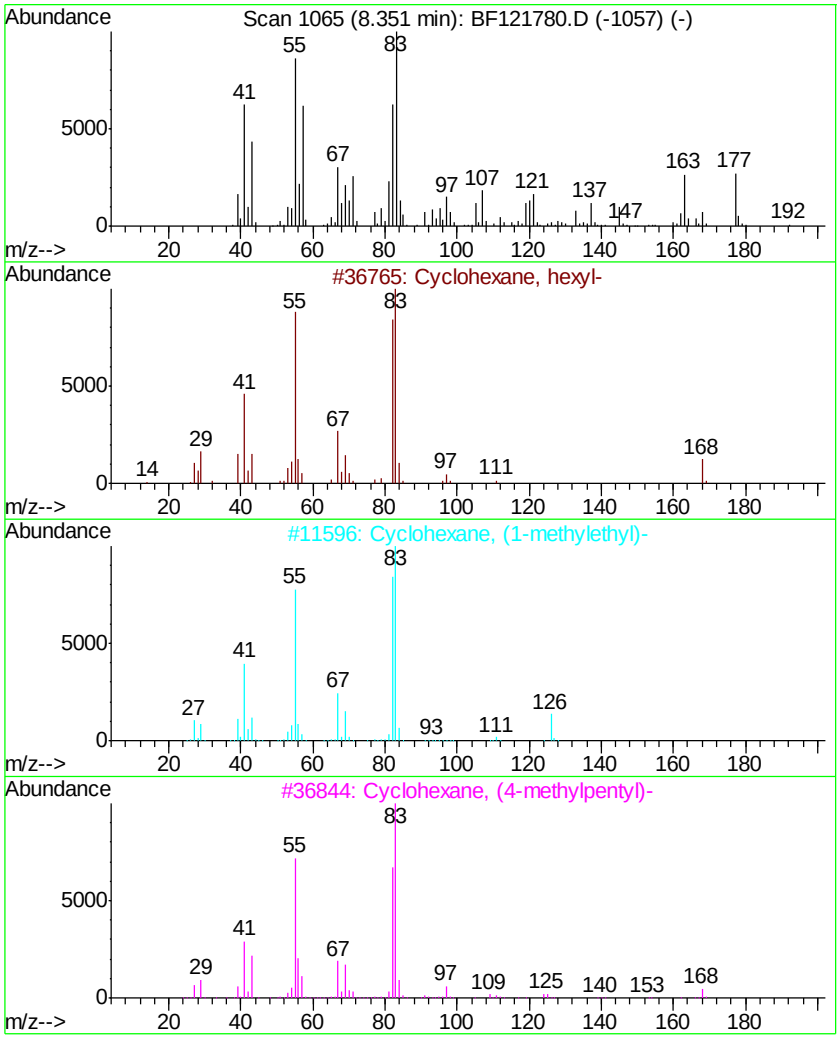
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

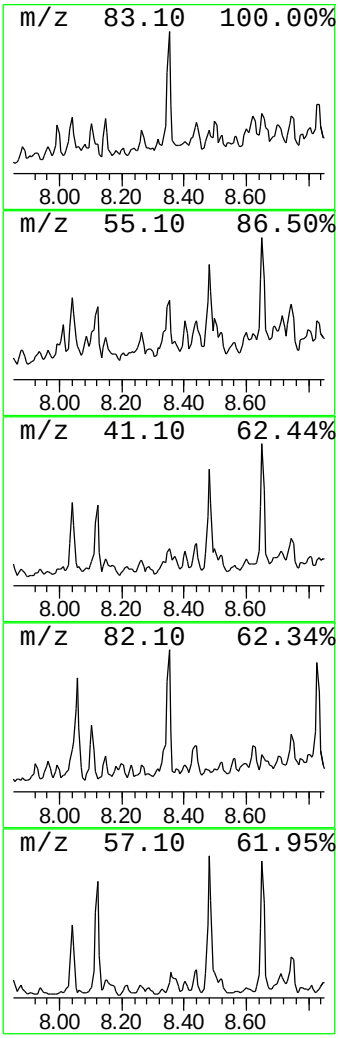
****

Peak Number 1 unknown8.35 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	14.78 ng	721707	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
3	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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

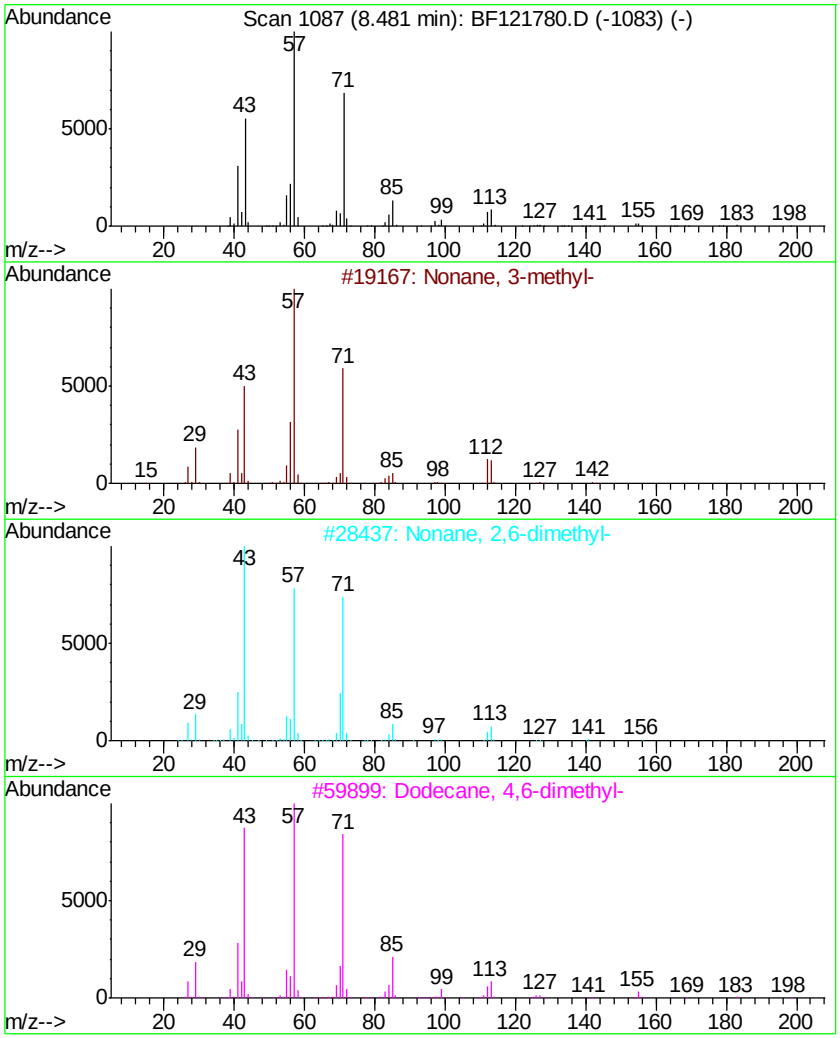
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

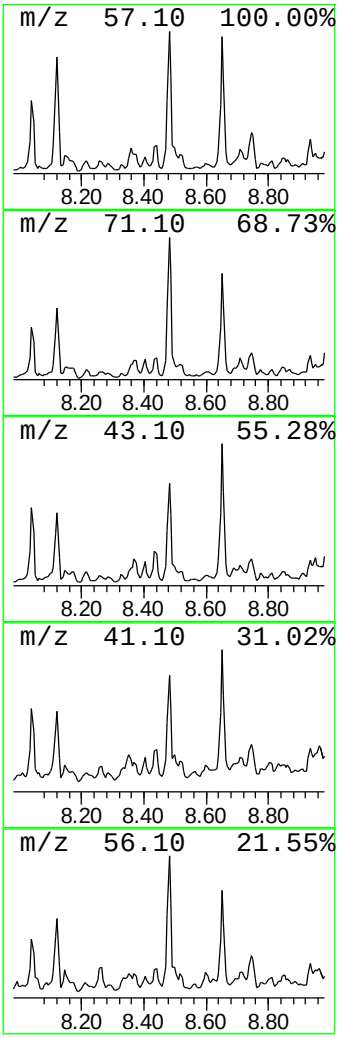
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	27.44 ng	1340160	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
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Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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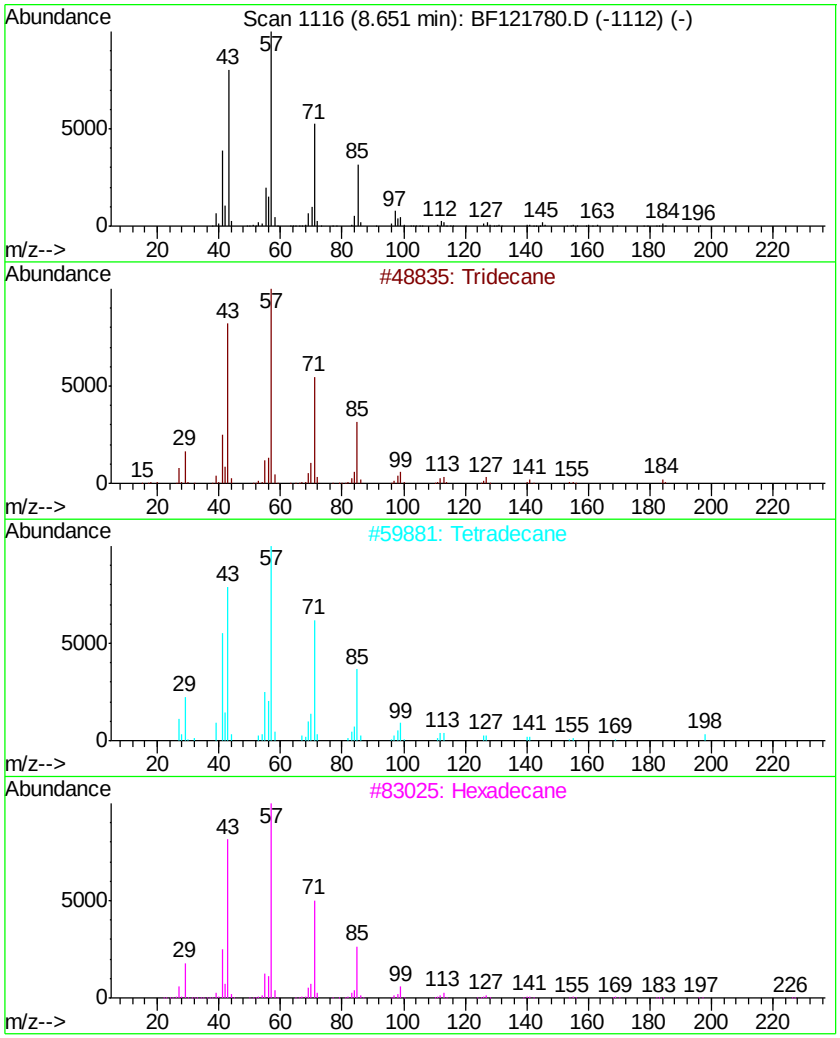
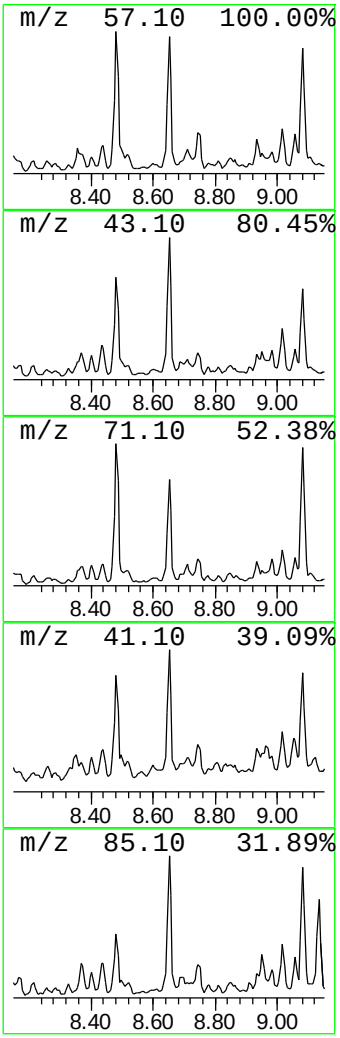
Peak Number 3 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	29.02 ng	1417360	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	78
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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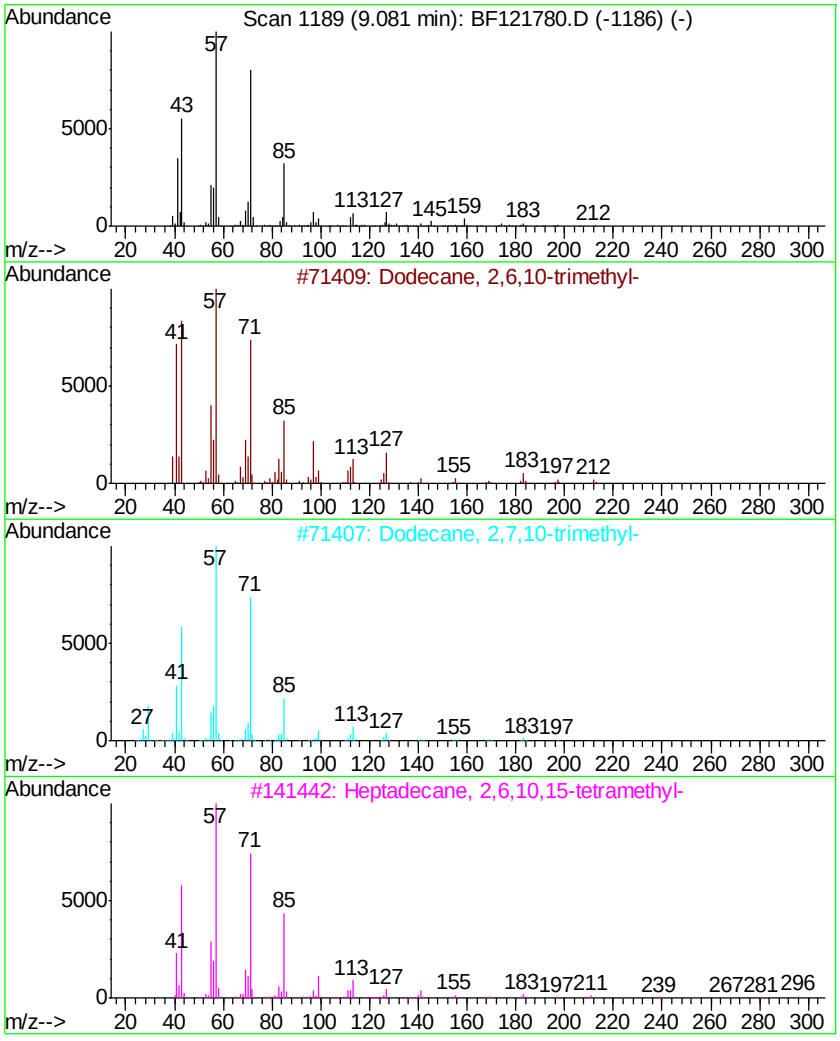
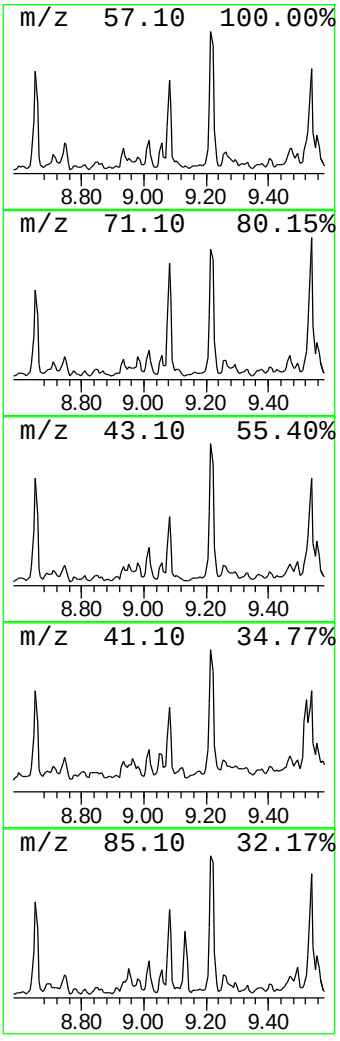
Peak Number 4 Dodecane, 2,6,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	23.20 ng	1167320	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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

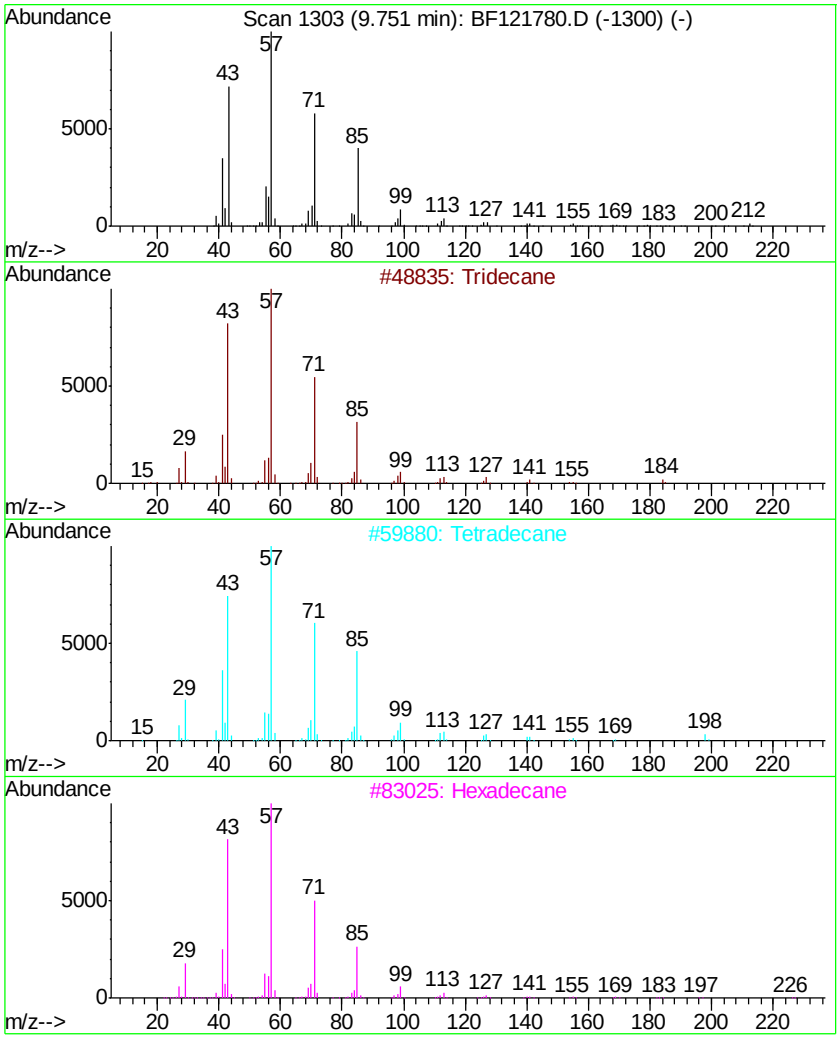
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

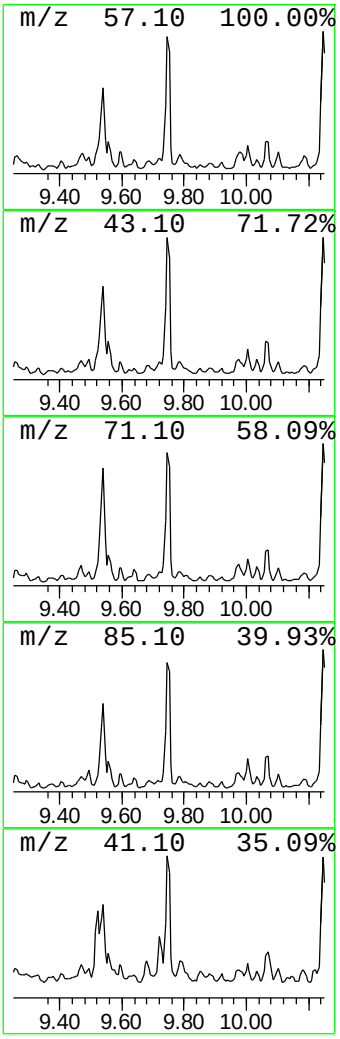
****

Peak Number 5 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	46.59 ng	2343910	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	86
5	Octacosane	394	C28H58	000630-02-4	83





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Operator : JU/CG
Sample : L4193-04
Misc :
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ClientSampleId : B-13(11-13)

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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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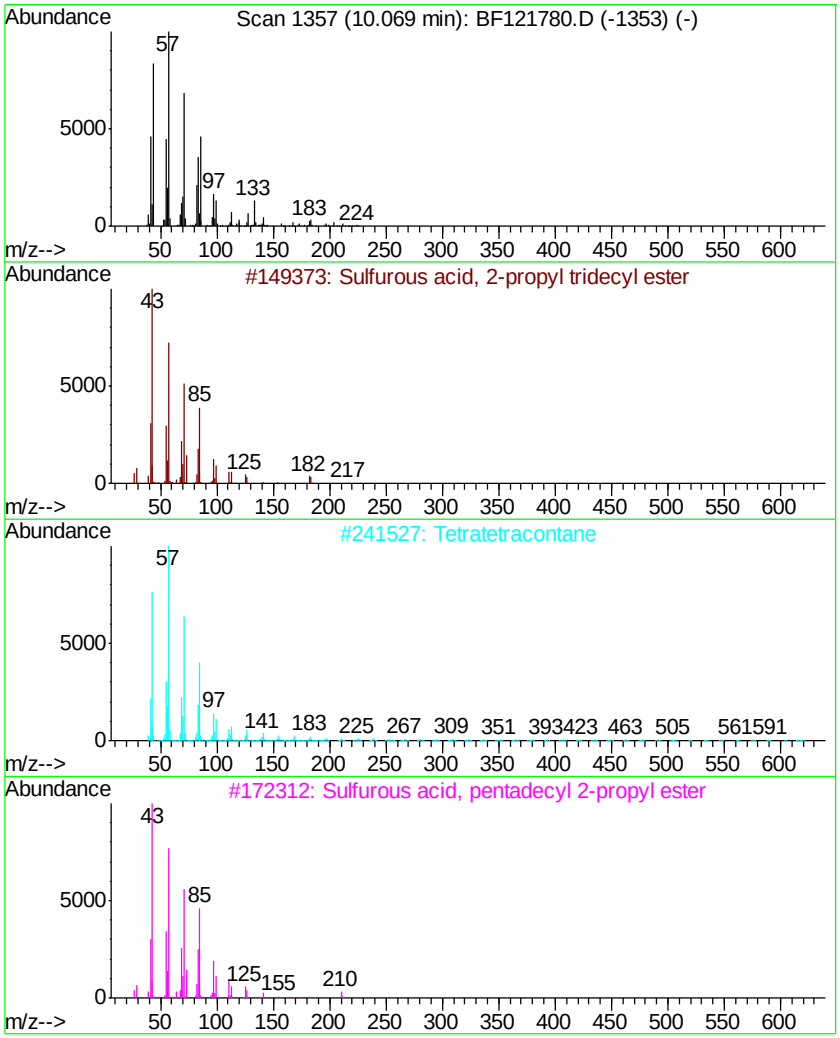
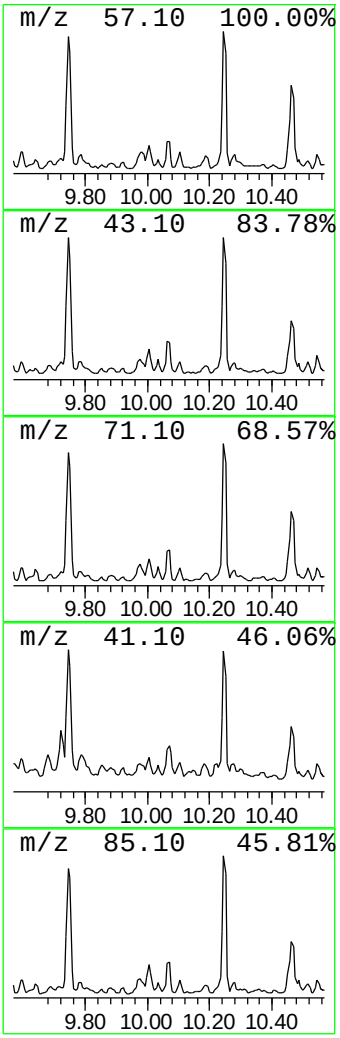
Peak Number 6 Sulfurous acid, 2-propyl tr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	16.76 ng	843068	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	80
2	Tetratetracontane	619	C44H90	007098-22-8	74
3	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	72
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	64
5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	64





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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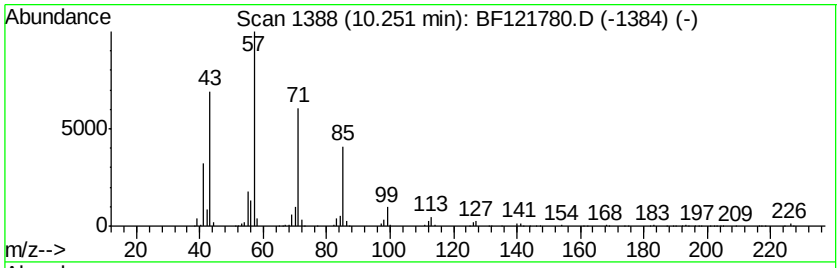
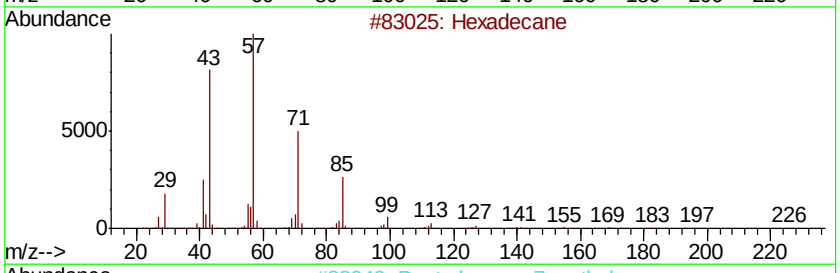
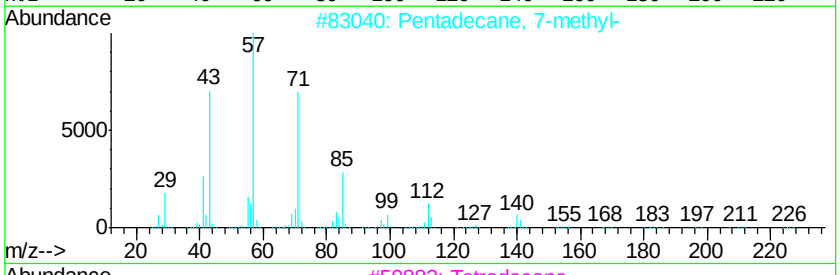
Peak Number 7 Hexadecane Concentration Rank 5

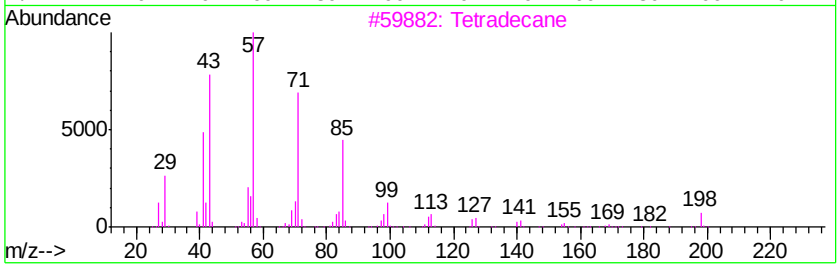
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	44.13 ng	2220260	Acenaphthene-d10	9.82

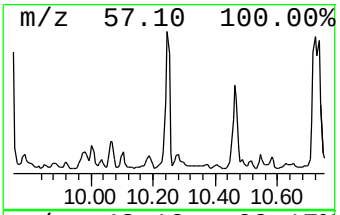
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
3	Tetradecane	198	C14H30	000629-59-4	72
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58

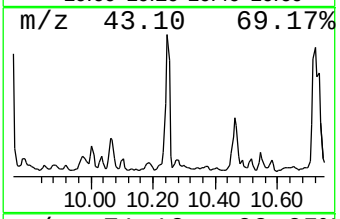


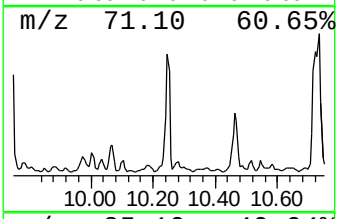


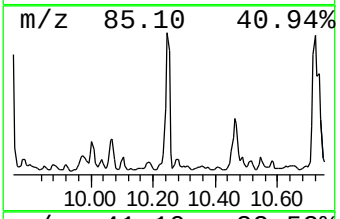


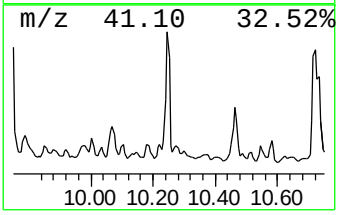












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Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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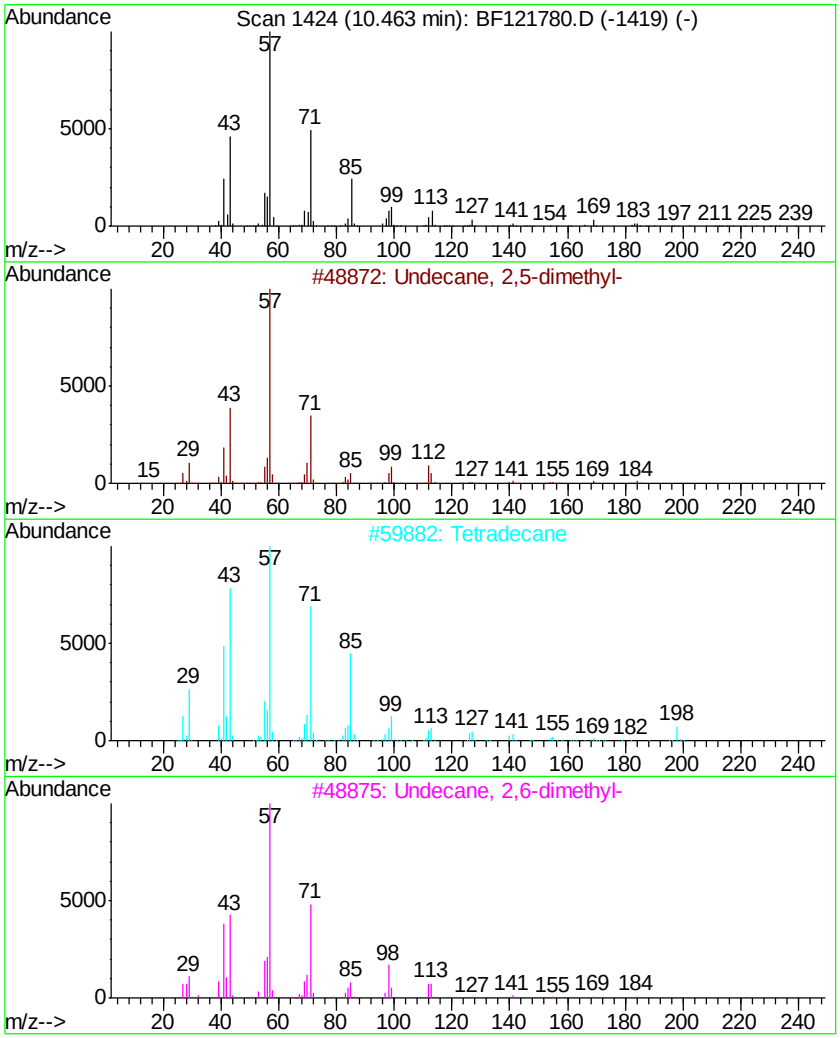
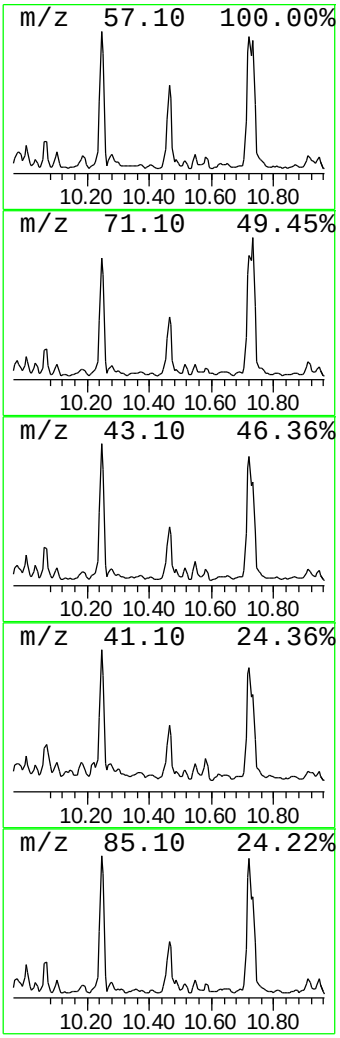
Peak Number 8 Undecane, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	34.55 ng	1738020	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
2	Tetradecane	198	C14H30	000629-59-4	74
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	62





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ClientSampleId : B-13(11-13)

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TIC Integration Parameters: LSCINT.P

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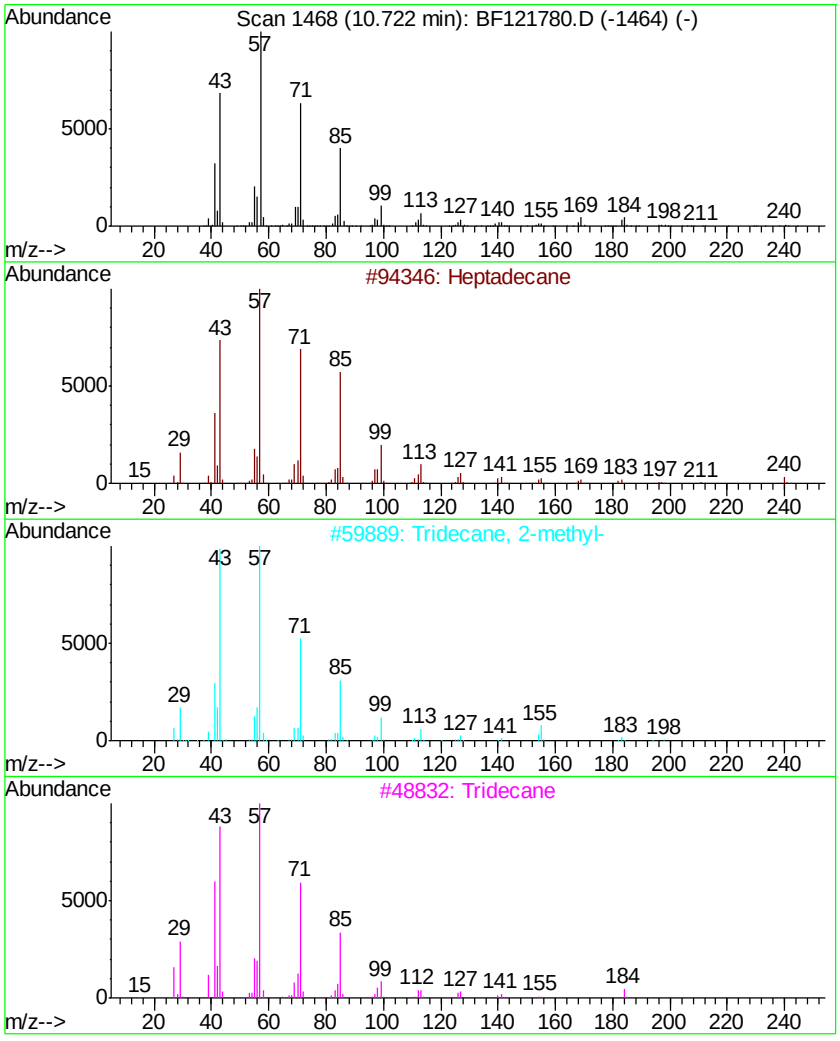
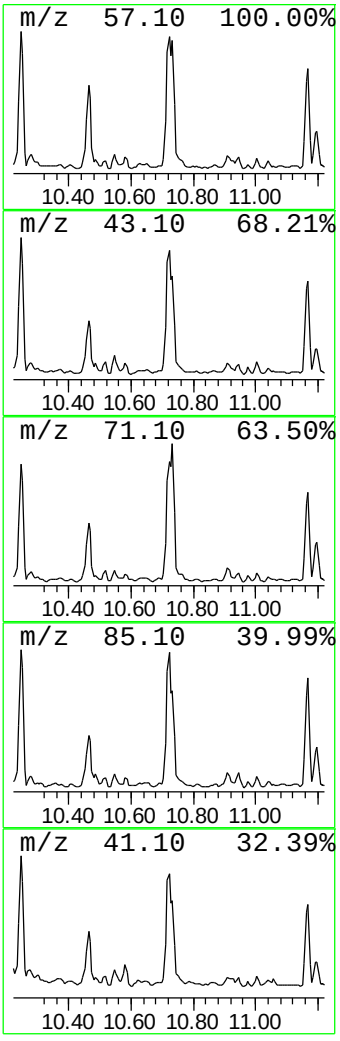
Peak Number 9 Heptadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	95.70 ng	4285210	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
3	Tridecane	184	C13H28	000629-50-5	89
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5	Heneicosane	296	C21H44	000629-94-7	86





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Misc :
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Instrument : BNA_F
ClientSampleId : B-13(11-13)

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TIC Integration Parameters: LSCINT.P

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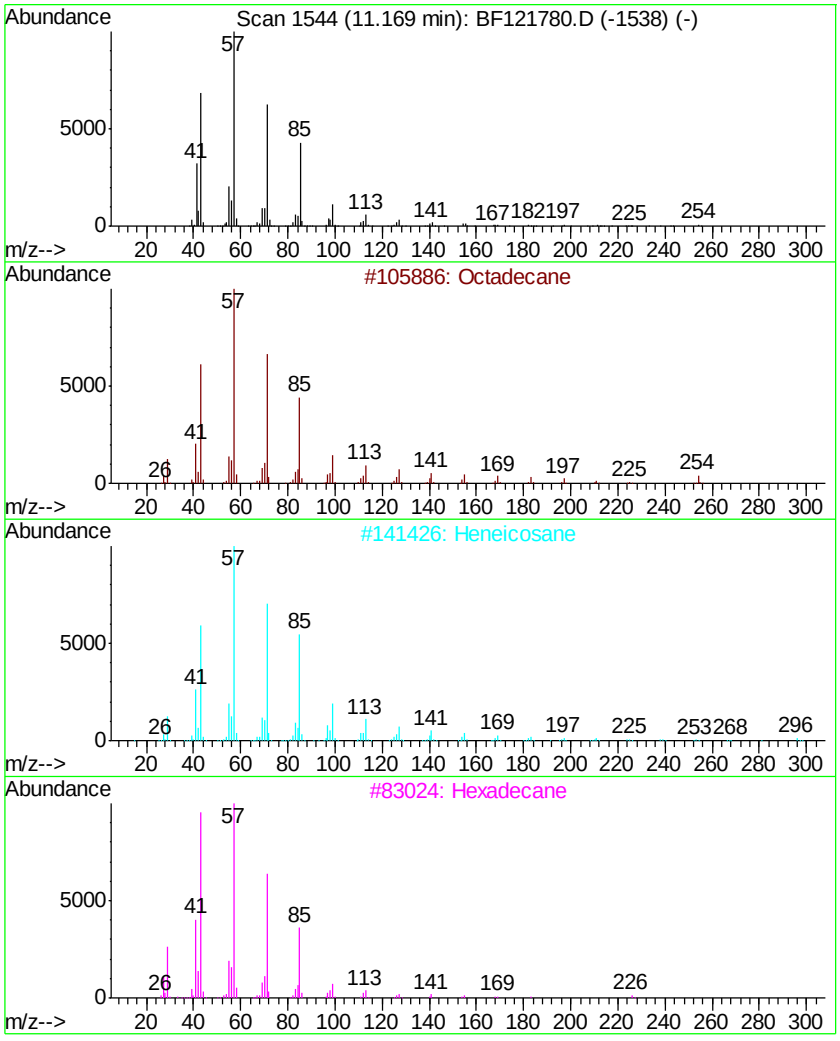
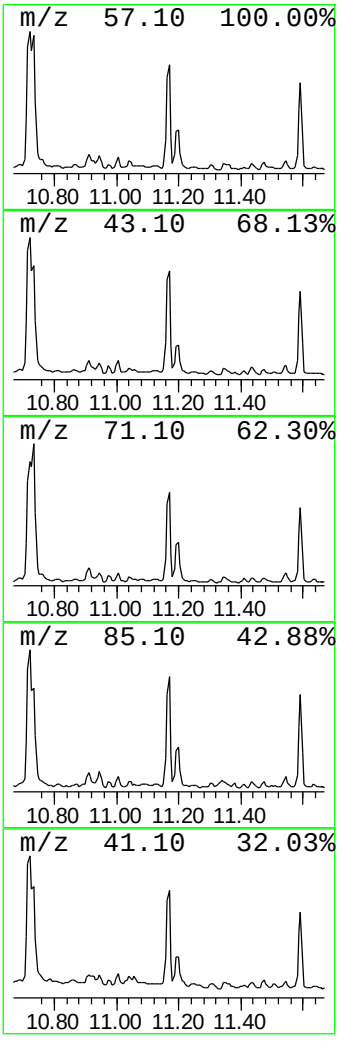
Peak Number 10 Octadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	45.47 ng	2036020	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heneicosane	296	C21H44	000629-94-7	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Nonadecane	268	C19H40	000629-92-5	87





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ClientSampleId : B-13(11-13)

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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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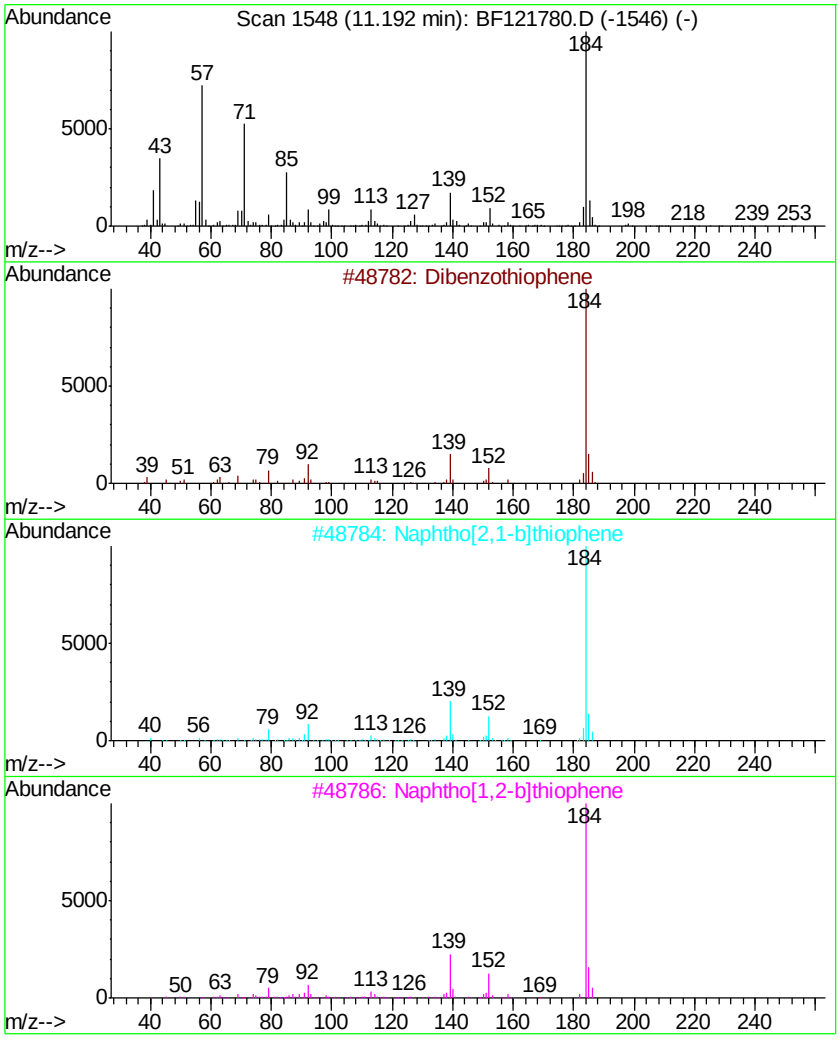
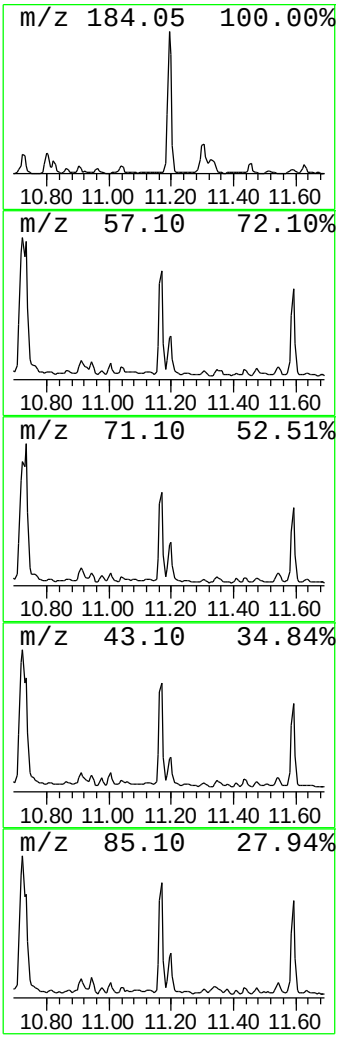
Peak Number 11 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	30.77 ng	1377890	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	78
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	60





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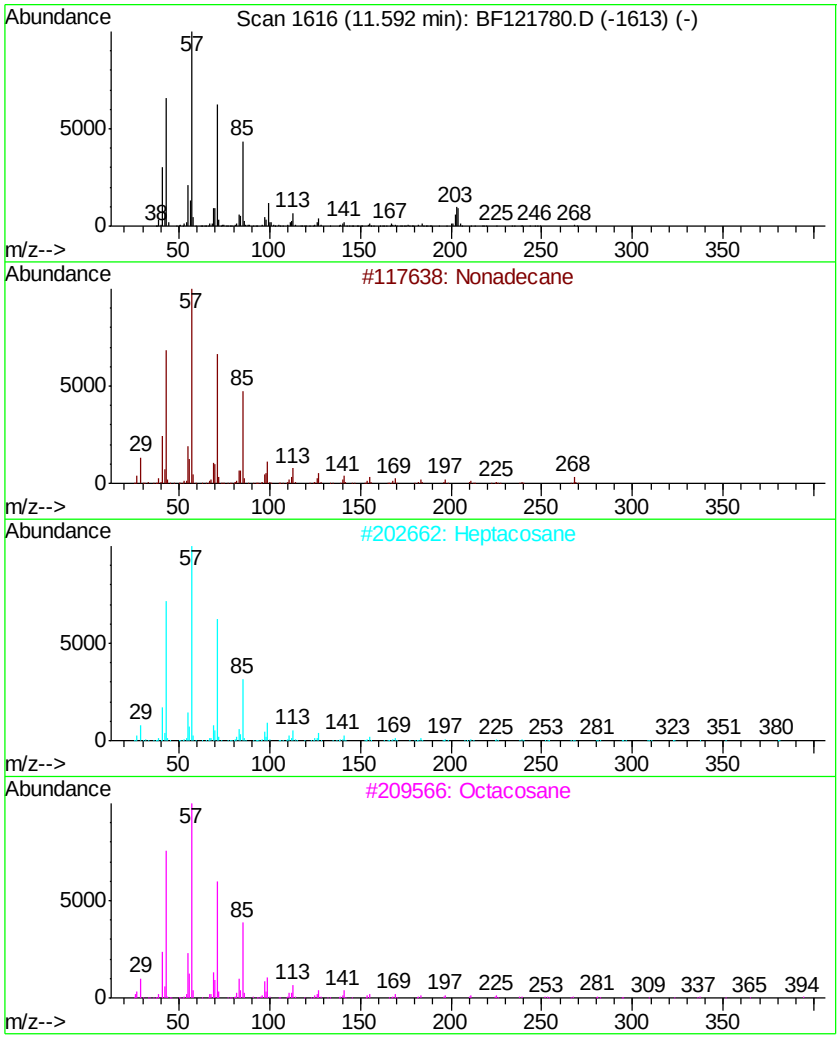
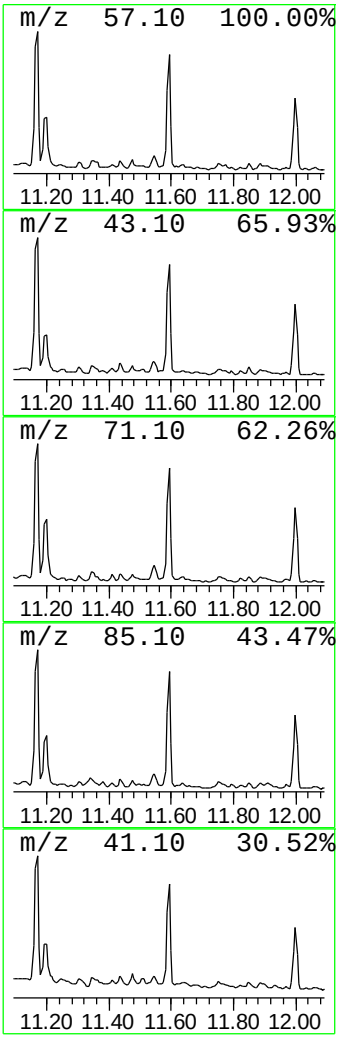
Peak Number 12 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	32.71 ng	1464650	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Heptacosane	380	C27H56	000593-49-7	74
3	Octacosane	394	C28H58	000630-02-4	72
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
5	Eicosane	282	C20H42	000112-95-8	72





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ClientSampleId : B-13(11-13)

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

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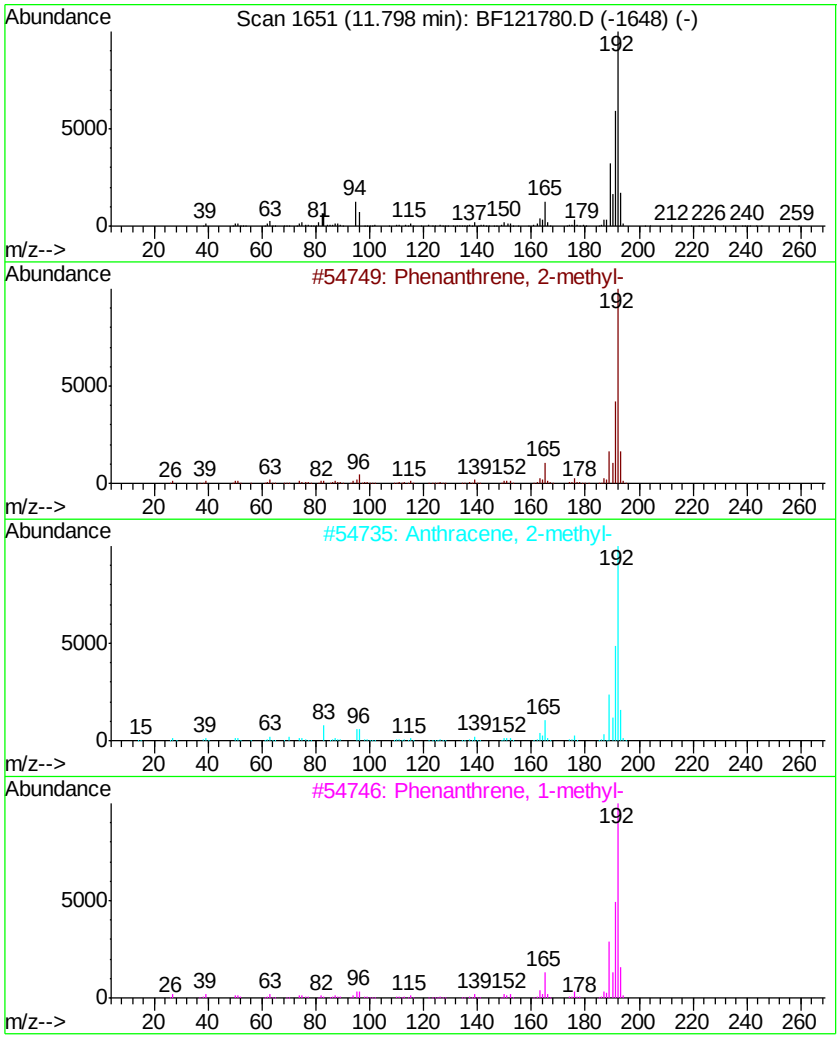
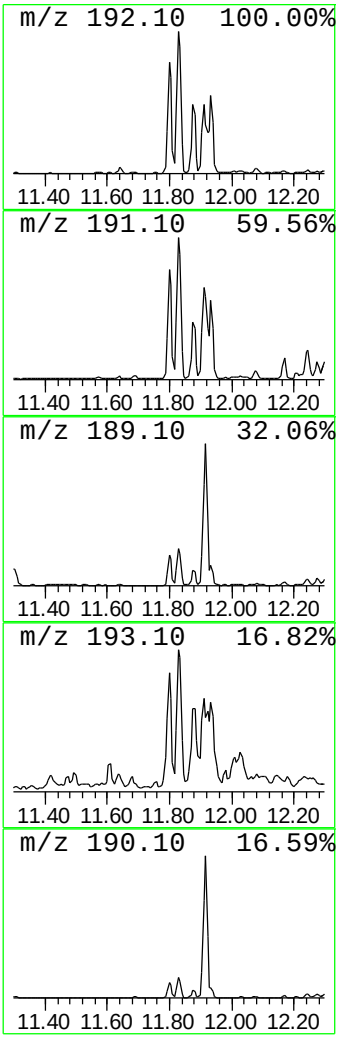
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	15.41 ng	689922	Phenanthrene-d10	11.30

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





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

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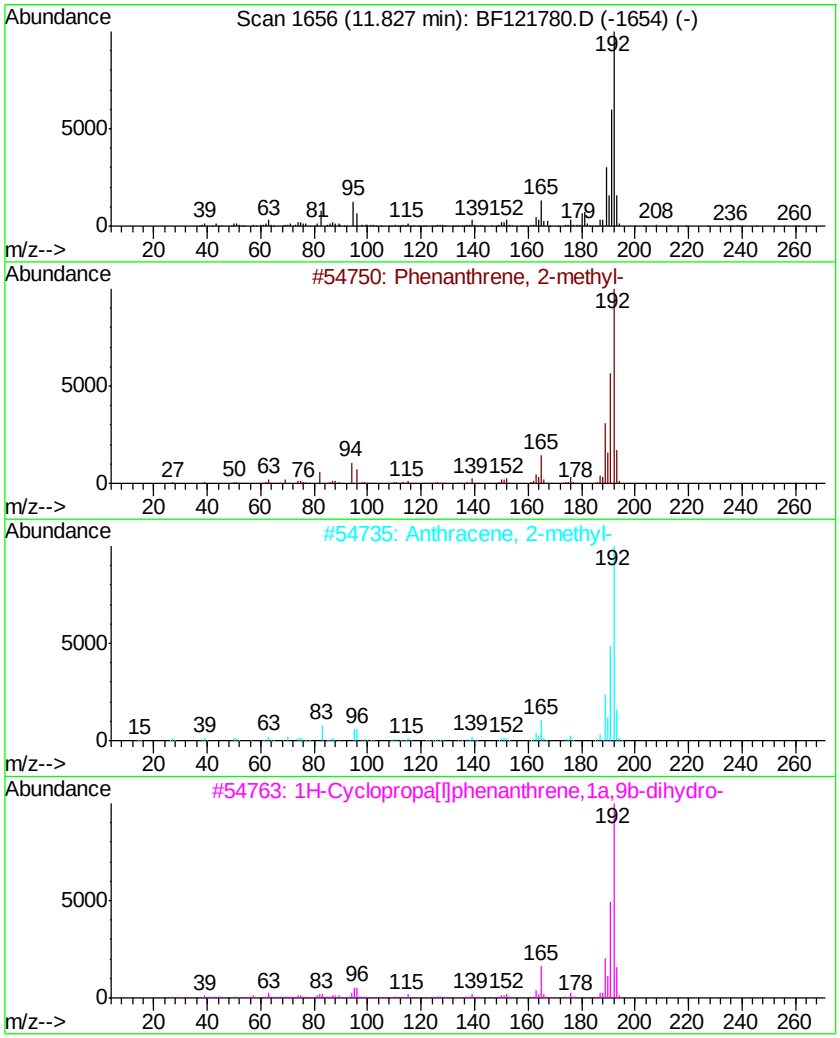
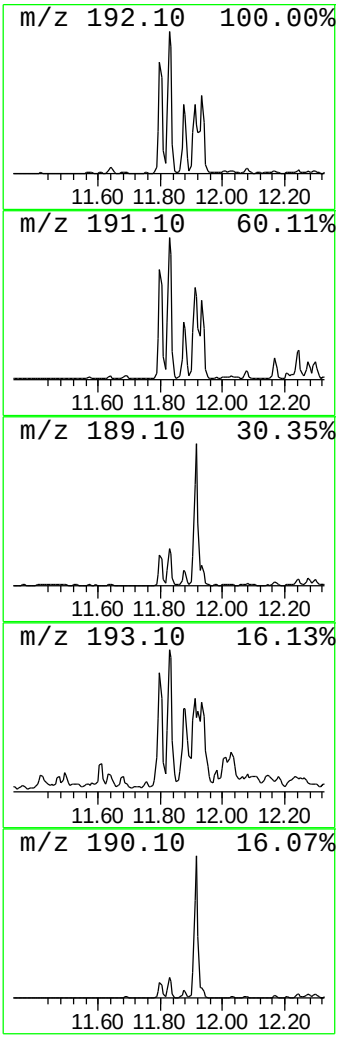
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	22.30 ng	998584	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
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	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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

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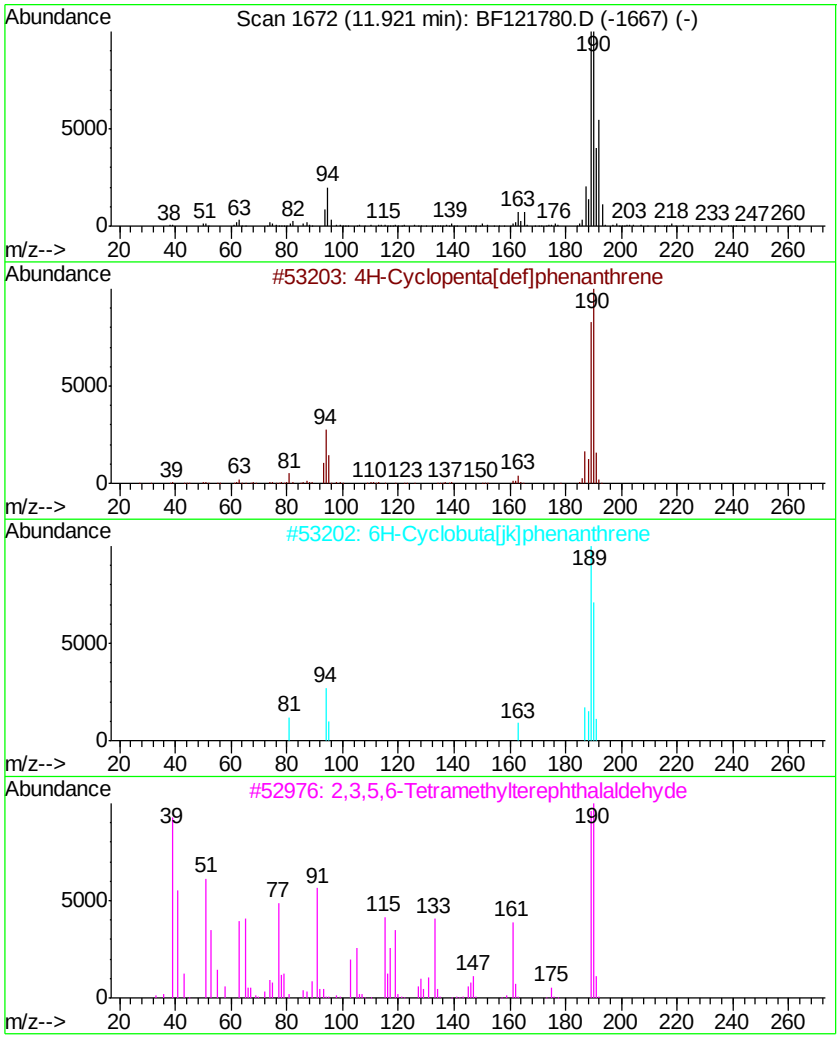
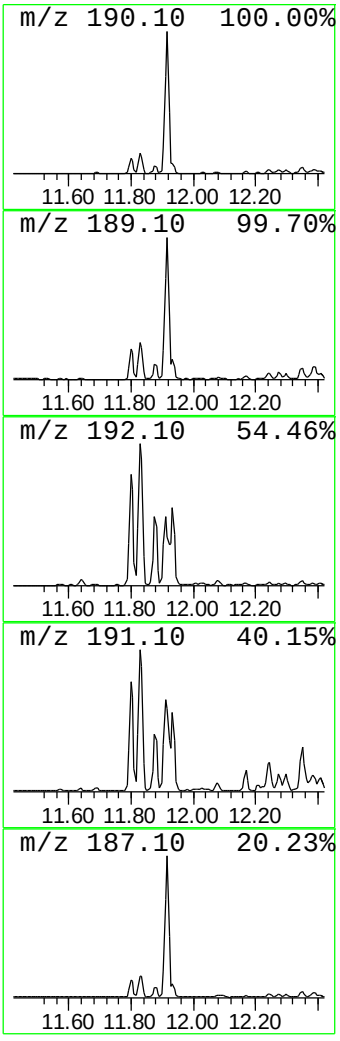
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	32.13 ng	1438590	Phenanthrene-d10	11.30

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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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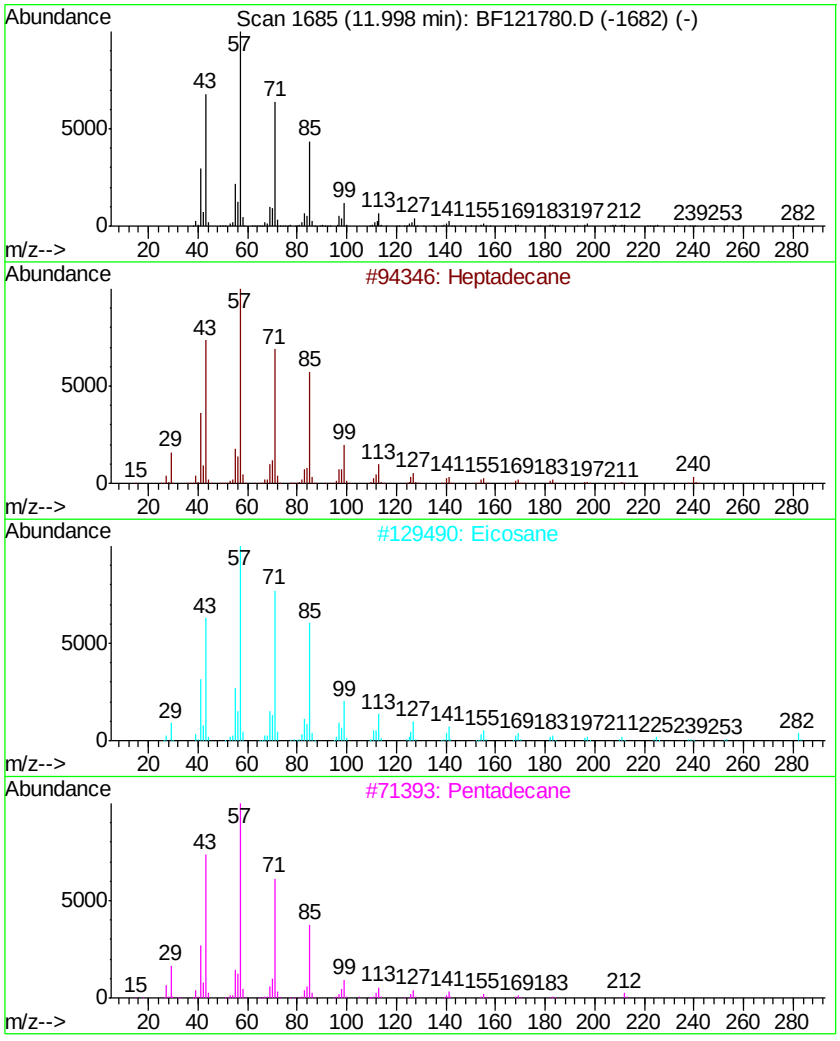
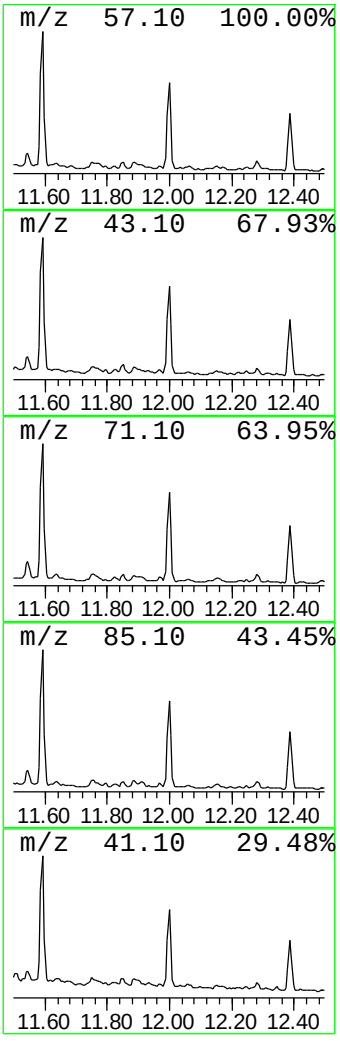
Peak Number 16 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	22.58 ng	1011170	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Eicosane	282	C20H42	000112-95-8	95
3	Pentadecane	212	C15H32	000629-62-9	95
4	Nonadecane	268	C19H40	000629-92-5	91
5	Heneicosane	296	C21H44	000629-94-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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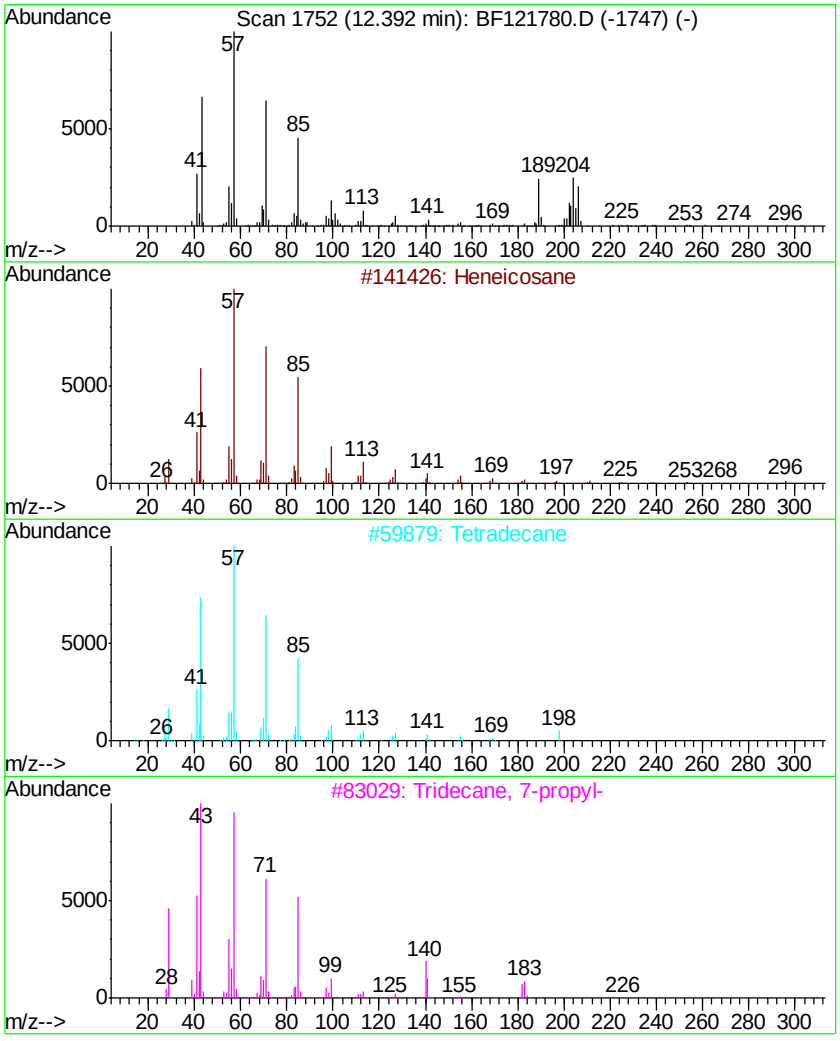
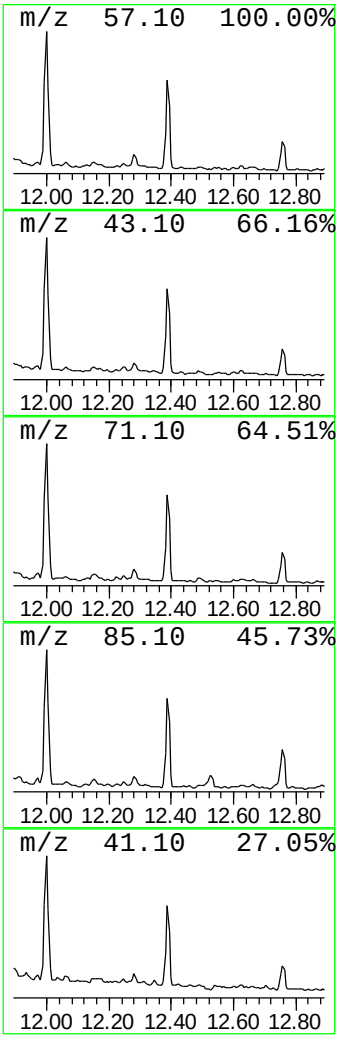
Peak Number 17 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	19.30 ng	864341	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Tetradecane	198	C14H30	000629-59-4	90
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	83
4	Nonadecane	268	C19H40	000629-92-5	58
5	Heptadecane	240	C17H36	000629-78-7	58





Library Search Compound Report

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Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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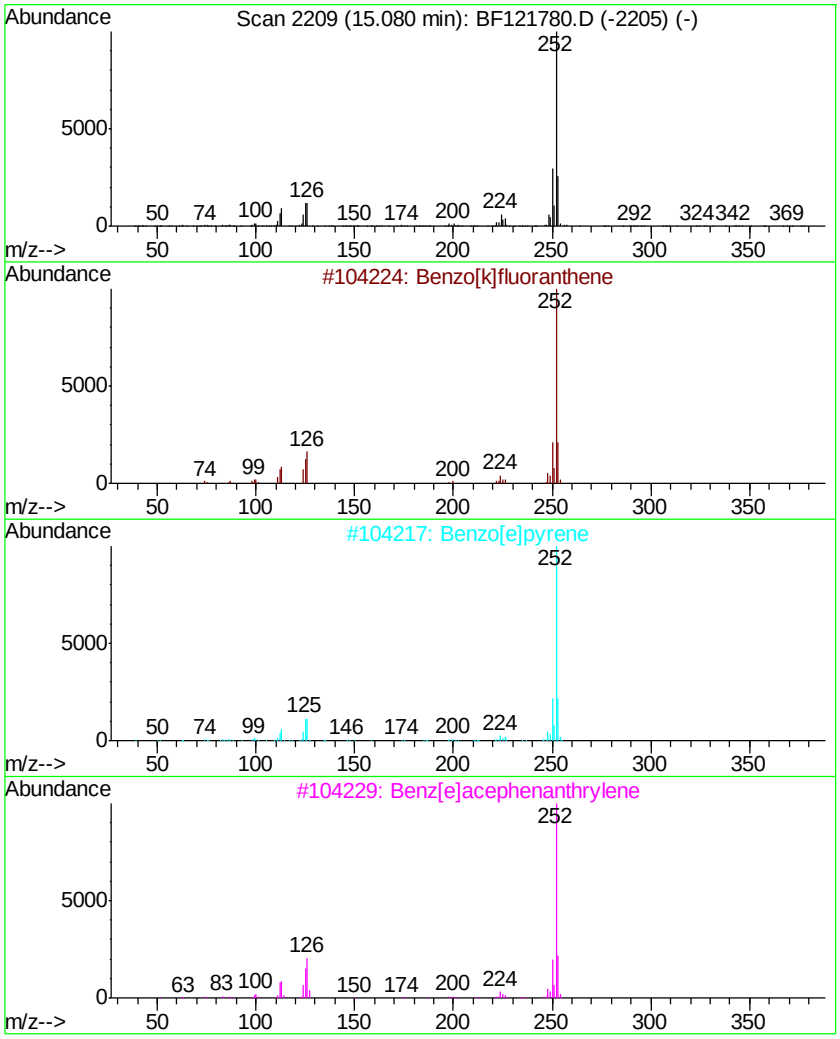
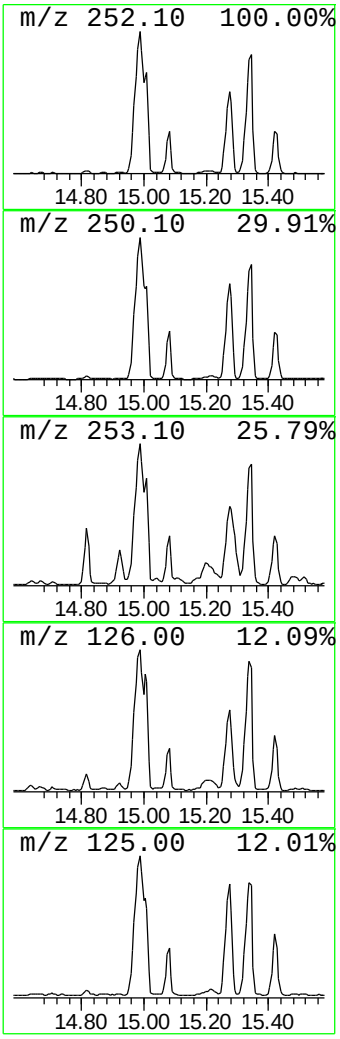
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	20.65 ng	855144	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	87





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Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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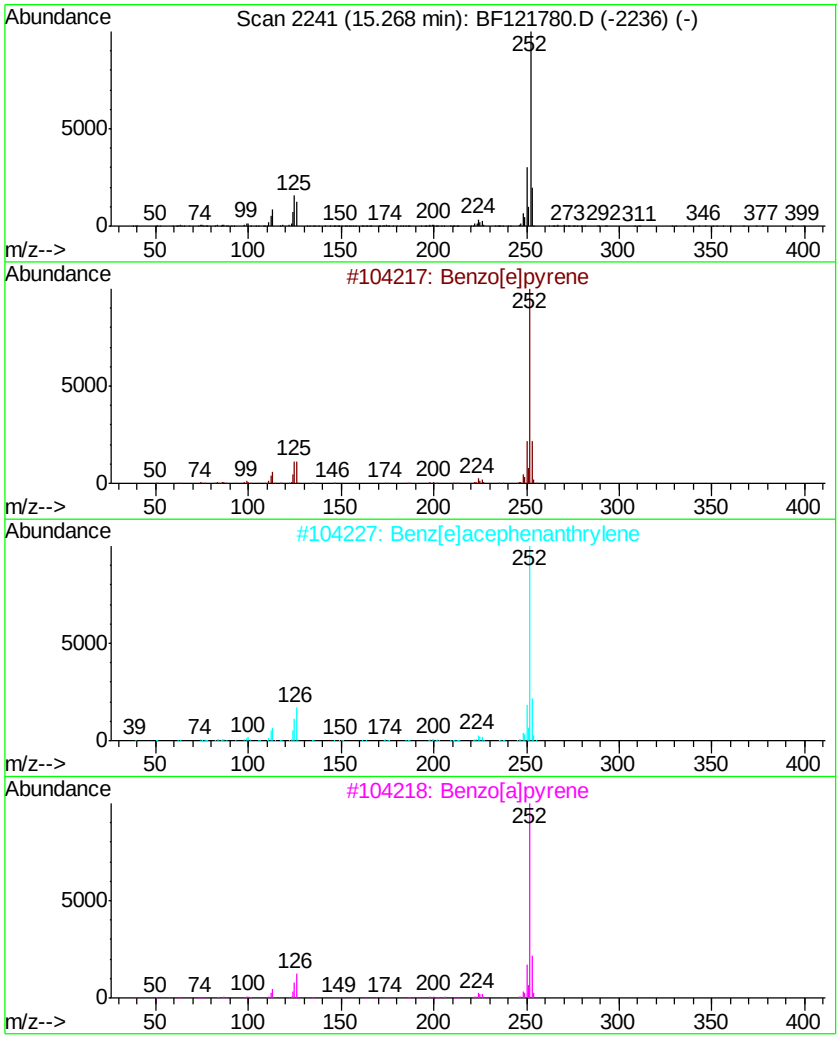
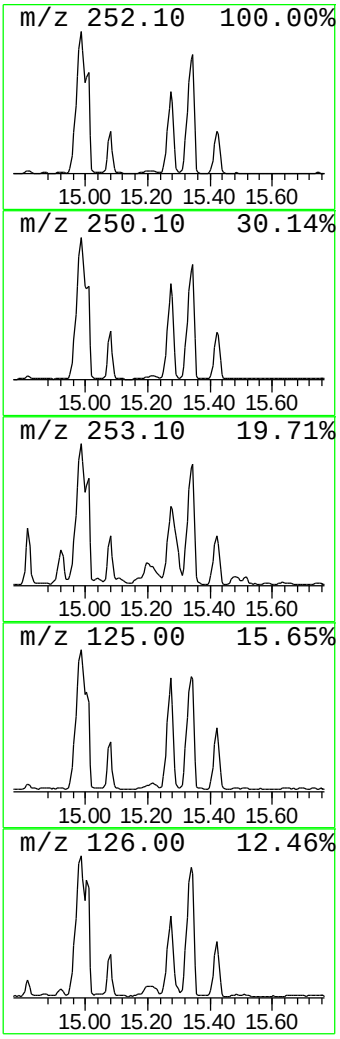
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	64.11 ng	2654840	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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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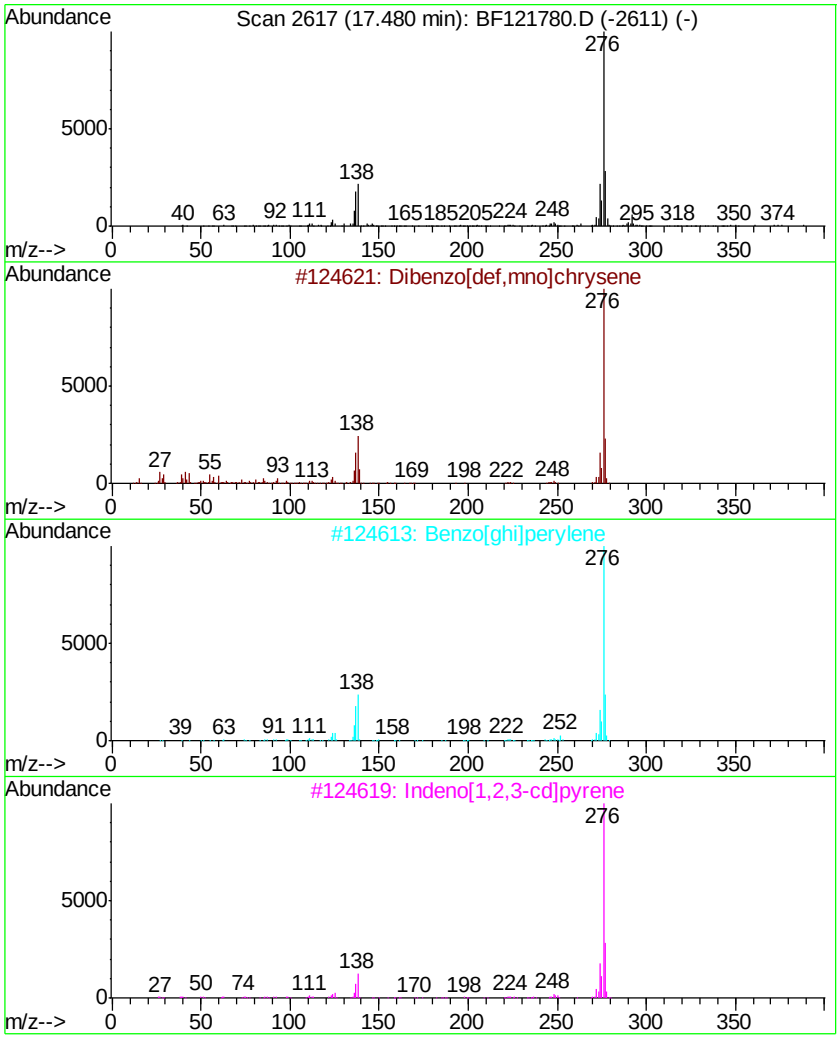
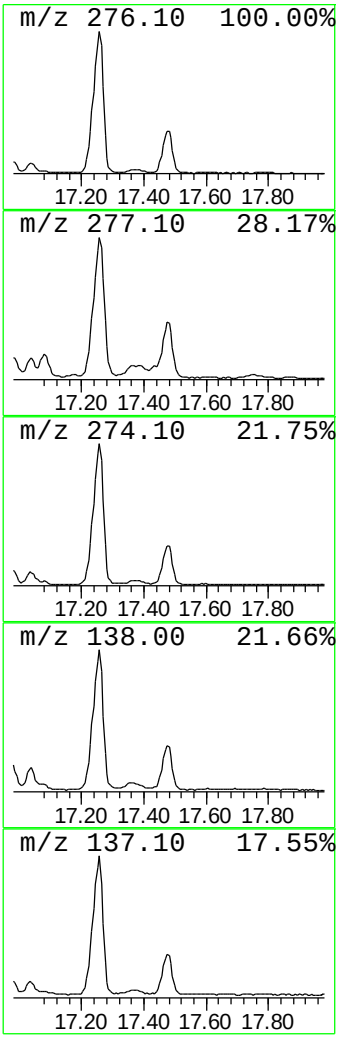
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	19.33 ng	800381	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	53
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121780.D
Acq On : 1 Oct 2020 21:50
Operator : JU/CG
Sample : L4193-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-13(11-13)

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
unknown8.35	8.35	14.8	ng	721707	2	8.06	976901	20.0
Nonane, 3-methyl-	8.48	27.4	ng	1340160	2	8.06	976901	20.0
Tridecane	8.65	29.0	ng	1417360	2	8.06	976901	20.0
Dodecane, 2,6,10-...	9.08	23.2	ng	1167320	3	9.82	1006160	20.0
Tetradecane	9.75	46.6	ng	2343910	3	9.82	1006160	20.0
Sulfurous acid, 2...	10.07	16.8	ng	843068	3	9.82	1006160	20.0
Hexadecane	10.25	44.1	ng	2220260	3	9.82	1006160	20.0
Undecane, 2,5-dim...	10.46	34.5	ng	1738020	3	9.82	1006160	20.0
Heptadecane	10.72	95.7	ng	4285210	4	11.30	895566	20.0
Octadecane	11.17	45.5	ng	2036020	4	11.30	895566	20.0
Dibenzothiophene	11.19	30.8	ng	1377890	4	11.30	895566	20.0
Nonadecane	11.59	32.7	ng	1464650	4	11.30	895566	20.0
Phenanthrene, 2-m...	11.80	15.4	ng	689922	4	11.30	895566	20.0
Anthracene, 2-met...	11.83	22.3	ng	998584	4	11.30	895566	20.0
4H-Cyclopenta[def...	11.92	32.1	ng	1438590	4	11.30	895566	20.0
Eicosane	12.00	22.6	ng	1011170	4	11.30	895566	20.0
Heneicosane	12.39	19.3	ng	864341	4	11.30	895566	20.0
Benzo[e]pyrene	15.08	20.6	ng	855144	6	15.39	828197	20.0
Perylene	15.27	64.1	ng	2654840	6	15.39	828197	20.0
Dibenzo[def,mno]c...	17.48	19.3	ng	800381	6	15.39	828197	20.0