LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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	5.381	557	560	578	rVB	1258081	1275063	77.23%	4.264%
2	6.404	730	734	748	rBV	1446935	1297879	78.61%	4.341%
3	6.604	764	768	774	rBV2	122632	133722	8.10%	0.447%
4	6.769	792	796	803	rVB	1143076	928728	56.25%	3.106%
5	7.045	837	843	846	rVB4	37323	54418	3.30%	0.182%
6	7.163	858	863	866	rBV2	42537	45226	2.74%	0.151%
7	7.304	881	887	888	rBV2	26209	29668	1.80%	0.099%
8	7.334	888	892	896	rVV	918801	882086	53.42%	2.950%
9	7.369	896	898	902	rVV	161407	124430	7.54%	0.416%
10	7.416	902	906	909	rVB5	25023	34906	2.11%	0.117%
11	7.575	930	933	936	rVB2	32215	38057	2.30%	0.127%
12	7.739	957	961	963	rVB3	31678	34462	2.09%	0.115%
13	7.769	963	966	968	rBV2	30154	27958	1.69%	0.094%
14	7.804	968	972	977	rVB4	42145	60976	3.69%	0.204%
15	8.051	1008	1014	1017	rVV	1317764	1326679	80.35%	4.437%
16	8.075	1017	1018	1021	rVV	186124	114328	6.92%	0.382%
17	8.116	1021	1025	1028	rVB	71378	77814	4.71%	0.260%
18	8.251	1046	1048	1051	rVB2	27082	28979	1.76%	0.097%
19	8.345	1059	1064	1071	rVB6	46124	84893	5.14%	0.284%
20	8.398	1071	1073	1076	rBV3	36961	31471	1.91%	0.105%
21	8.434	1076	1079	1082	rVV2	54608	47666	2.89%	0.159%
22	8.475	1082	1086	1088	rVV	90186	79274	4.80%	0.265%
23	8.557	1096	1100	1103	rBV2	48154	47923	2.90%	0.160%
24	8.645	1112	1115	1118	rBV	194938	158258	9.59%	0.529%
25	8.710	1123	1126	1129	rVV3	35945	47807	2.90%	0.160%
26	8.763	1133	1135	1138	rVB	91697	76371	4.63%	0.255%
27	8.863	1149	1152	1156	rVB2	105646	102970	6.24%	0.344%
28	8.928	1161	1163	1165	rBV2	33467	30452	1.84%	0.102%
29	9.010	1173	1177	1181	rVB3	42034	46969	2.84%	0.157%
30	9.051	1181	1184	1186	rBV2	34505	32358	1.96%	0.108%
31	9.075	1186	1188	1192	rVB2	84848	68841	4.17%	0.230%
32	9.128	1193	1197	1200	rBV	1904363	1508077	91.34%	5.044%
33	9.210	1207	1211	1216	rBV2	236336	221602	13.42%	0.741%
34	9.275	1220	1222	1228	rVV4	29527	43211	2.62%	0.145%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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	9.328	1228	1231	1236	rVB3	28355	29262	1.77%	0.098%
36	9.398	1236	1243	1246	rBV3	64239	96465	5.84%	0.323%
37	9.463	1251	1254	1257	rVV	121741	132256	8.01%	0.442%
38	9.492	1257	1259	1261	rVV2	80241	71275	4.32%	0.238%
39	9.522	1261	1264	1268	rVV	333118	361639	21.90%	1.209%
40	9.551	1268	1269	1272	rVV2	45940	36680	2.22%	0.123%
41	9.586	1272	1275	1279	rVB2	59166	73582	4.46%	0.246%
42	9.663	1285	1288	1293	rBV	203782	190807	11.56%	0.638%
43	9.716	1294	1297	1299	rVV2	32745	33247	2.01%	0.111%
44	9.739	1299	1301	1305	rVB	210239	150843	9.14%	0.504%
45	9.804	1305	1312	1315	rBV	1384270	1222761	74.06%	4.089%
46	9.839	1315	1318	1322	rVV	133666	135324	8.20%	0.453%
47	9.910	1327	1330	1334	rVB2	42318	51998	3.15%	0.174%
48	9.969	1334	1340	1343	rBV7	39497	74679	4.52%	0.250%
49	10.010	1343	1347	1351	rVV2	116192	138859	8.41%	0.464%
50	10.051	1351	1354	1360	rVV3	47824	74634	4.52%	0.250%
51	10.122	1363	1366	1368	rBV2	45637	39571	2.40%	0.132%
52	10.210	1378	1381	1383	rBV2	39487	41179	2.49%	0.138%
53	10.239	1383	1386	1388	rVB	163961	135682	8.22%	0.454%
54	10.351	1402	1405	1411	rVB	193485	184976	11.20%	0.619%
55	10.457	1418	1423	1429	rBV2	103118	134748	8.16%	0.451%
56	10.510	1429	1432	1435	rVB	65567	62848	3.81%	0.210%
57	10.592	1440	1446	1450	rBV	845084	765831	46.38%	2.561%
58	10.710	1463	1466	1474	rVB2	185050	298287	18.07%	0.998%
59	10.898	1494	1498	1501	rBV3	64067	80892	4.90%	0.271%
60	10.927	1501	1503	1506	rVB2	36768	38493	2.33%	0.129%
61	11.051	1522	1524	1528	rVB	41579	32919	1.99%	0.110%
62	11.092	1529	1531	1535	rVB	73608	68867	4.17%	0.230%
63	11.157	1539	1542	1544	rVV	136197	121653	7.37%	0.407%
64	11.186	1544	1547	1552	rVB	195282	190327	11.53%	0.637%
65	11.292	1561	1565	1566	rBV	1034485	972157	58.88%	3.251%
66	11.316	1566	1569	1572	rVV	1381847	1172390	71.01%	3.921%
67	11.363	1572	1577	1580	rVV	387442	343773	20.82%	1.150%
68	11.398	1580	1583	1587	rVV2	48498	53813	3.26%	0.180%
69	11.522	1598	1604	1611	rBV	141845	197166	11.94%	0.659%
70	11.586	1612	1615	1618	rVV	122986	114575	6.94%	0.383%
71	11.622	1618	1621	1626	rVB3	51601	65241	3.95%	0.218%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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	11.704	1632	1635	1638	rVB	31640	32647	1.98%	0.109%
73	11.792	1646	1650	1652	rVV	183645	172601	10.45%	0.577%
74	11.816	1652	1654	1658	rVV	254074	225163	13.64%	0.753%
75	11.863	1660	1662	1665	rVV	82818	83207	5.04%	0.278%
76	11.904	1665	1669	1671	rVV2	285923	316121	19.15%	1.057%
77	11.922	1671	1672	1677	rVB	129078	104228	6.31%	0.349%
78	11.969	1678	1680	1682	rBV2	28985	30710	1.86%	0.103%
79	11.992	1682	1684	1687	rVV2	95832	78947	4.78%	0.264%
80	12.022	1687	1689	1692	rVV3	32768	31076	1.88%	0.104%
81	12.086	1697	1700	1702	rVV	132129	113922	6.90%	0.381%
82	12.116	1702	1705	1708	rVB2	96052	97078	5.88%	0.325%
83	12.216	1720	1722	1724	rBV	46539	44513	2.70%	0.149%
84	12.269	1728	1731	1733	rBV2	70293	78730	4.77%	0.263%
85	12.339	1740	1743	1745	rBV	126419	122388	7.41%	0.409%
86	12.380	1747	1750	1752	rVV2	120865	123184	7.46%	0.412%
87	12.427	1755	1758	1762	rBV2	102096	137628	8.34%	0.460%
88	12.504	1767	1771	1774	rVV	1644536	1421579	86.10%	4.754%
89	12.598	1784	1787	1790	rBV2	104232	121409	7.35%	0.406%
90	12.733	1804	1810	1812	rBV	1398268	1494987	90.55%	5.000%
91	12.874	1831	1834	1841	rVB	1281297	1146763	69.46%	3.835%
92	13.033	1859	1861	1862	rBV2	94233	82294	4.98%	0.275%
93	13.057	1863	1865	1869	rVB2	336435	326165	19.75%	1.091%
94	13.163	1880	1883	1886	rBV2	201150	225603	13.66%	0.755%
95	13.927	2009	2013	2016	rBV2	1183898	1651076	100.00%	5.522%
96	13.957	2016	2018	2021	rVB	712382	550839	33.36%	1.842%
97	14.962	2185	2189	2196	rVB	720414	1342705	81.32%	4.491%
98	15.321	2246	2250	2253	rBV	557908	694463	42.06%	2.323%
99	15.380	2257	2260	2268	rVB2	763000	1106096	66.99%	3.699%
100	16.045	2370	2373	2384	rVB	426723	811412	49.14%	2.714%

Sum of corrected areas: 29900755

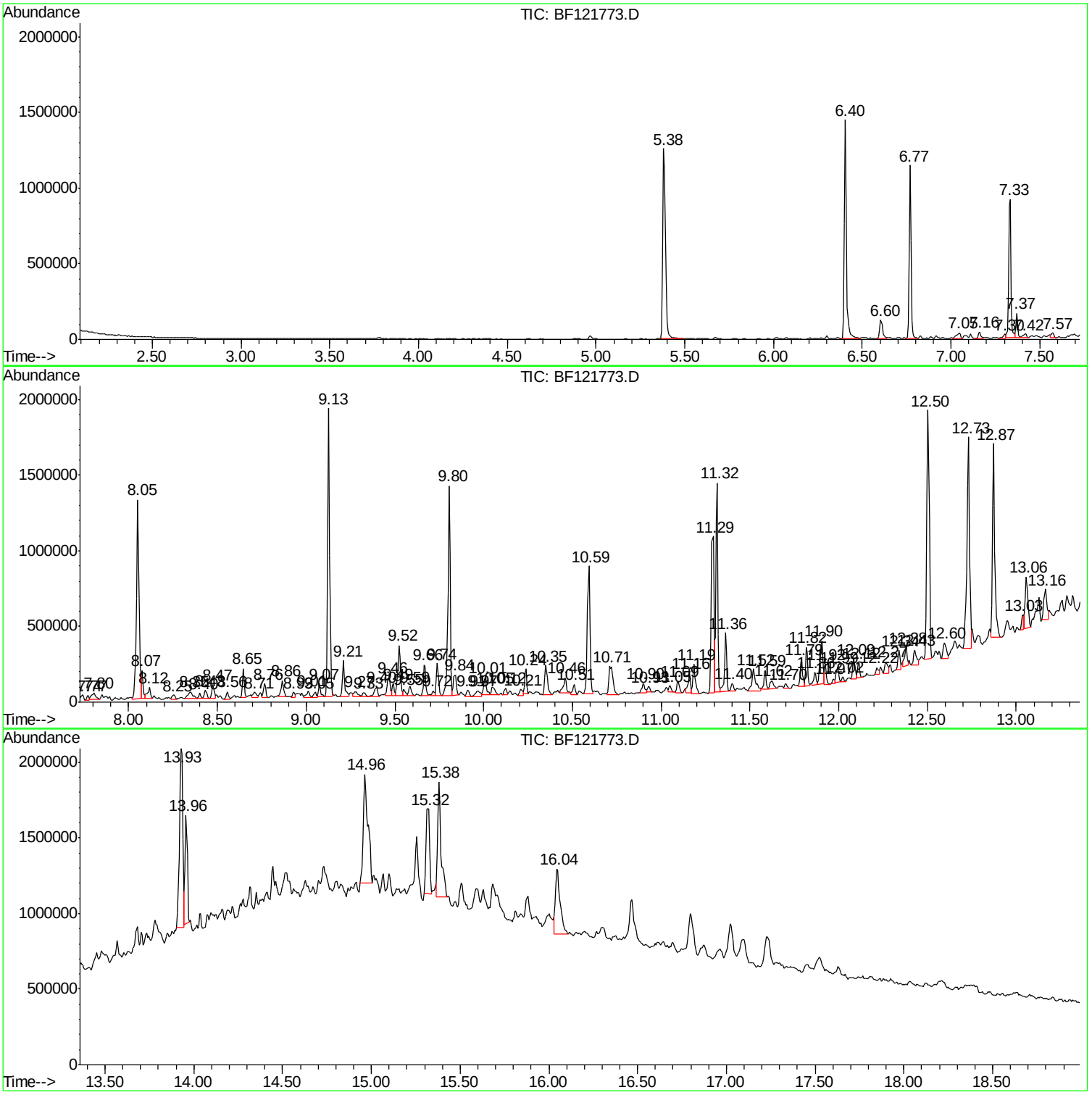
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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 : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

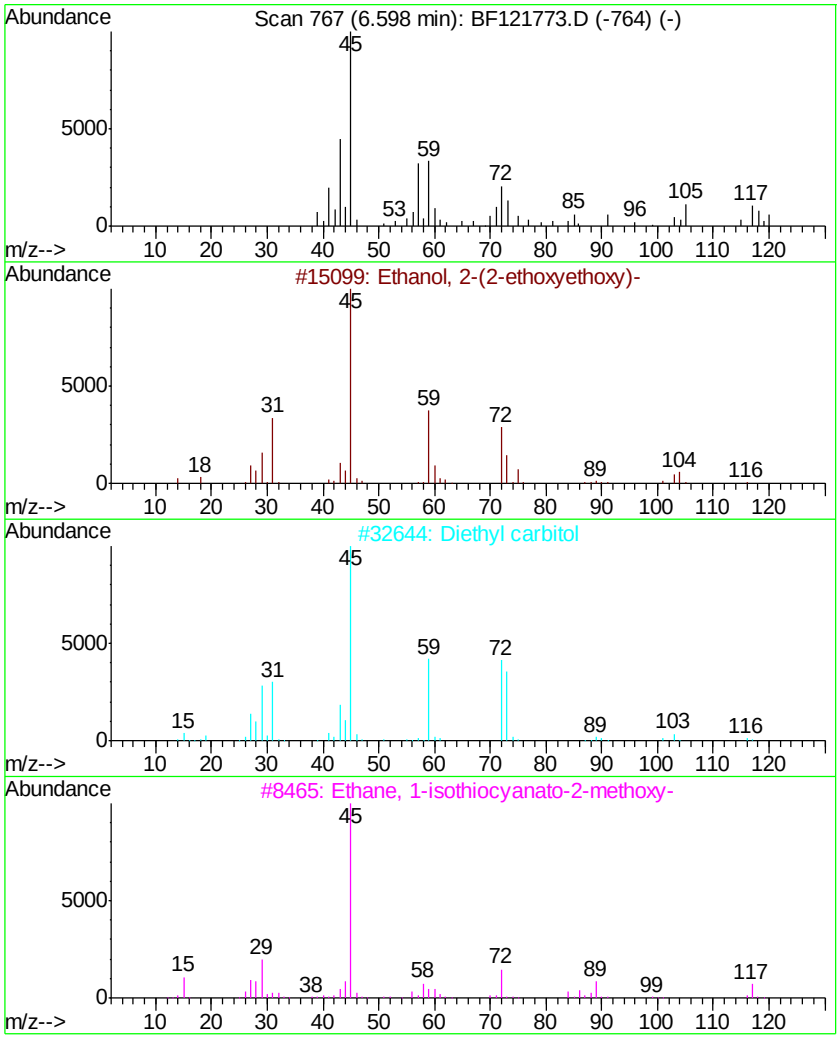
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

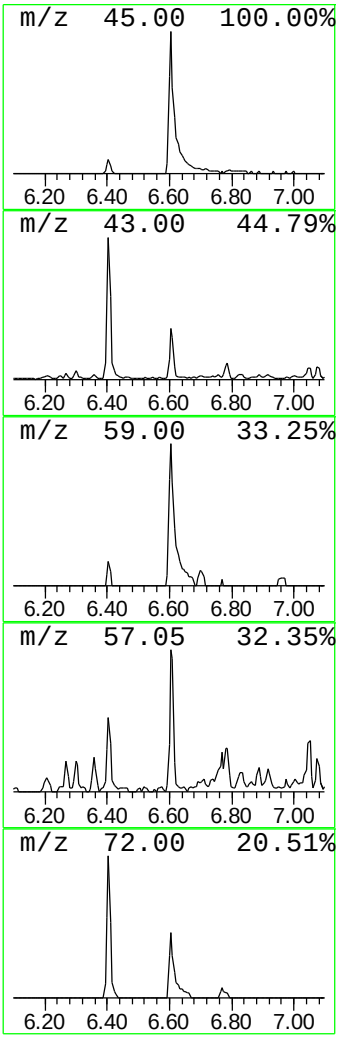
****

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	2.88 ng	133722	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	59
2	Diethyl carbitol	162	C8H18O3	000112-36-7	53
3	Ethane, 1-isothiocyanato-2-methoxy-	117	C4H7NOS	038663-85-3	50
4	2-Propanol, 1-propoxy-	118	C6H14O2	001569-01-3	47
5	endo-2,3-O-Ethylidene-.beta.-d-e...	146	C6H10O4	077519-84-7	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

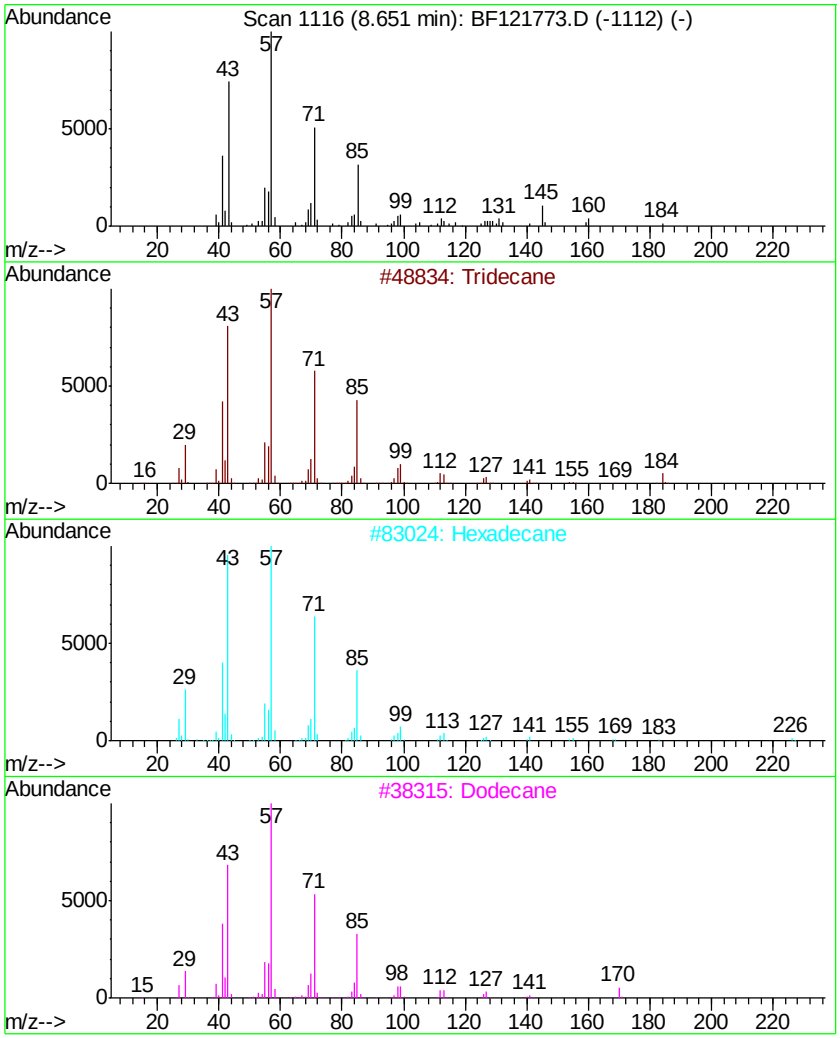
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

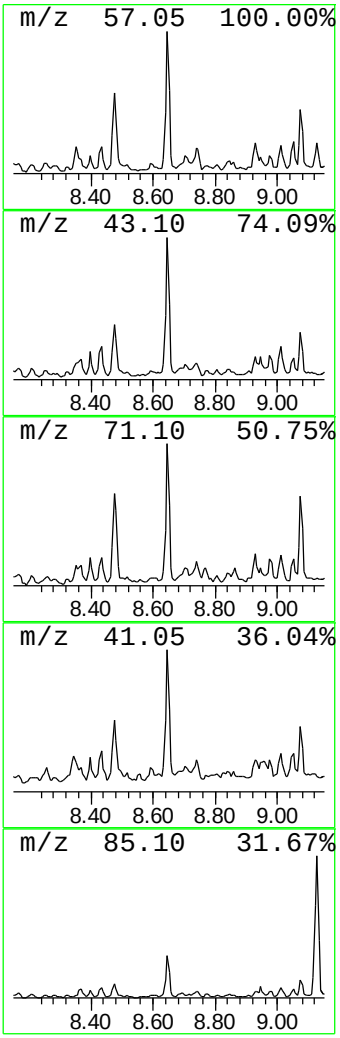
****

Peak Number 2 Tridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	2.39 ng	158258	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Hexadecane	226	C16H34	000544-76-3	83
3	Dodecane	170	C12H26	000112-40-3	80
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

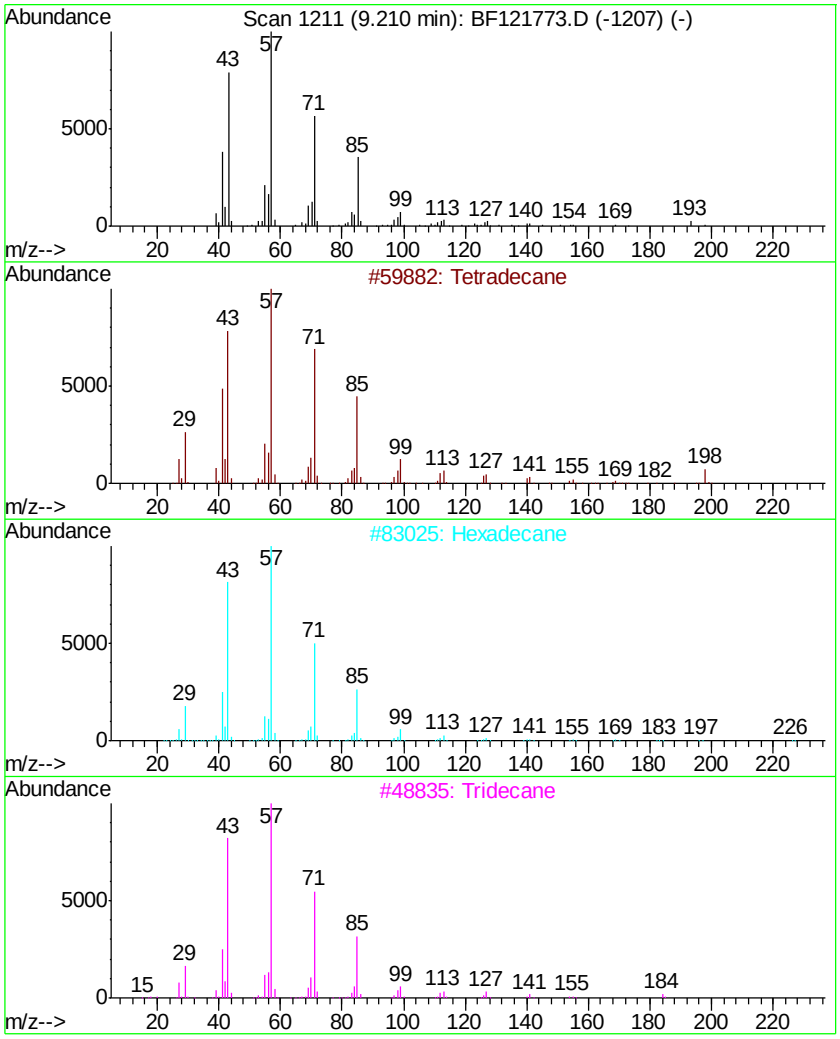
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

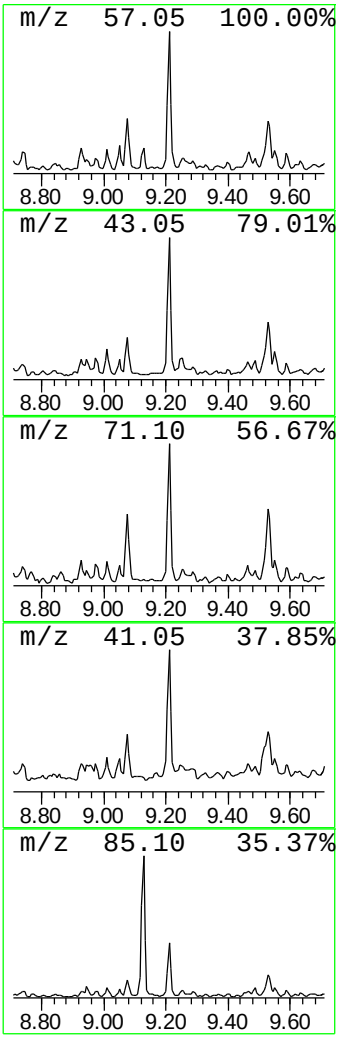
****

Peak Number 3 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	3.62 ng	221602	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	86
4	9-methylheptadecane	254	C18H38	026741-18-4	83
5	Pentadecane	212	C15H32	000629-62-9	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

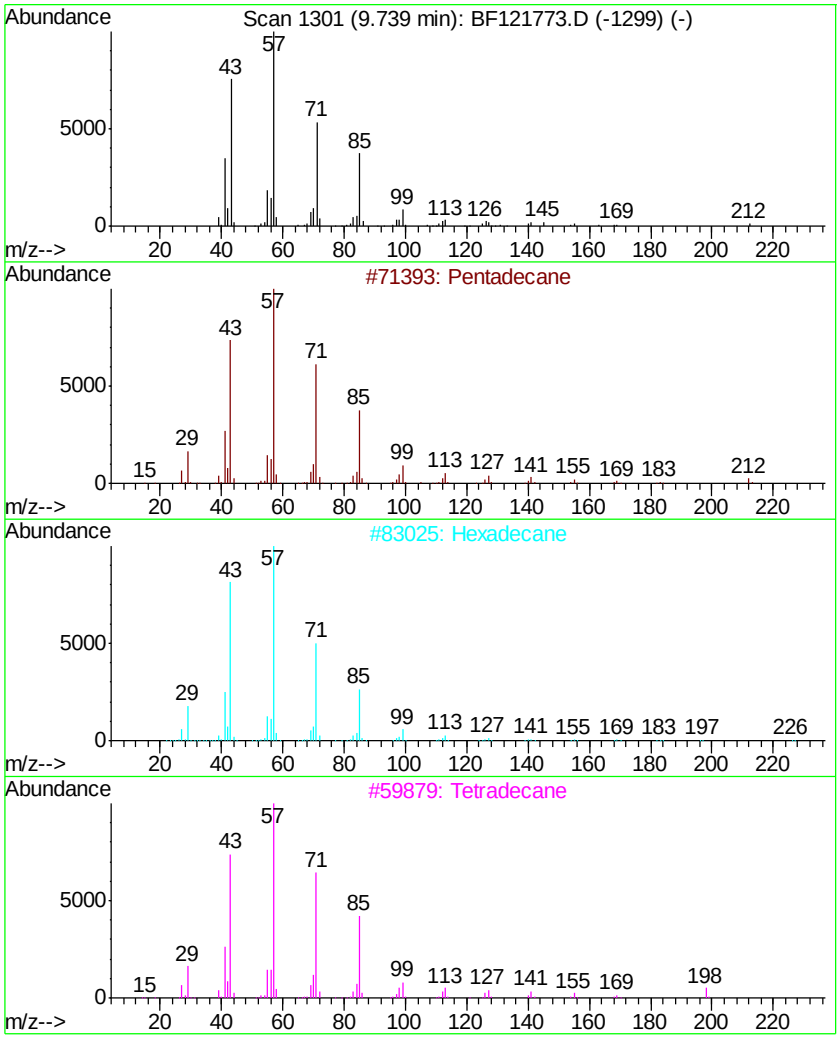
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

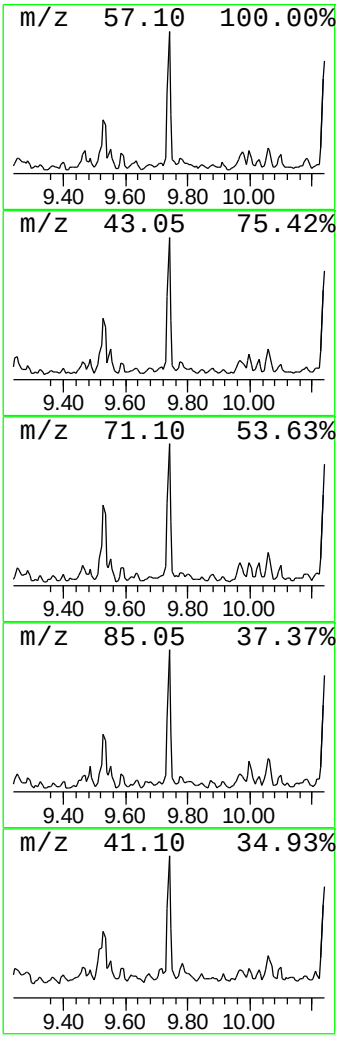
****

Peak Number 4 Pentadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	2.47 ng	150843	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	80
5	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

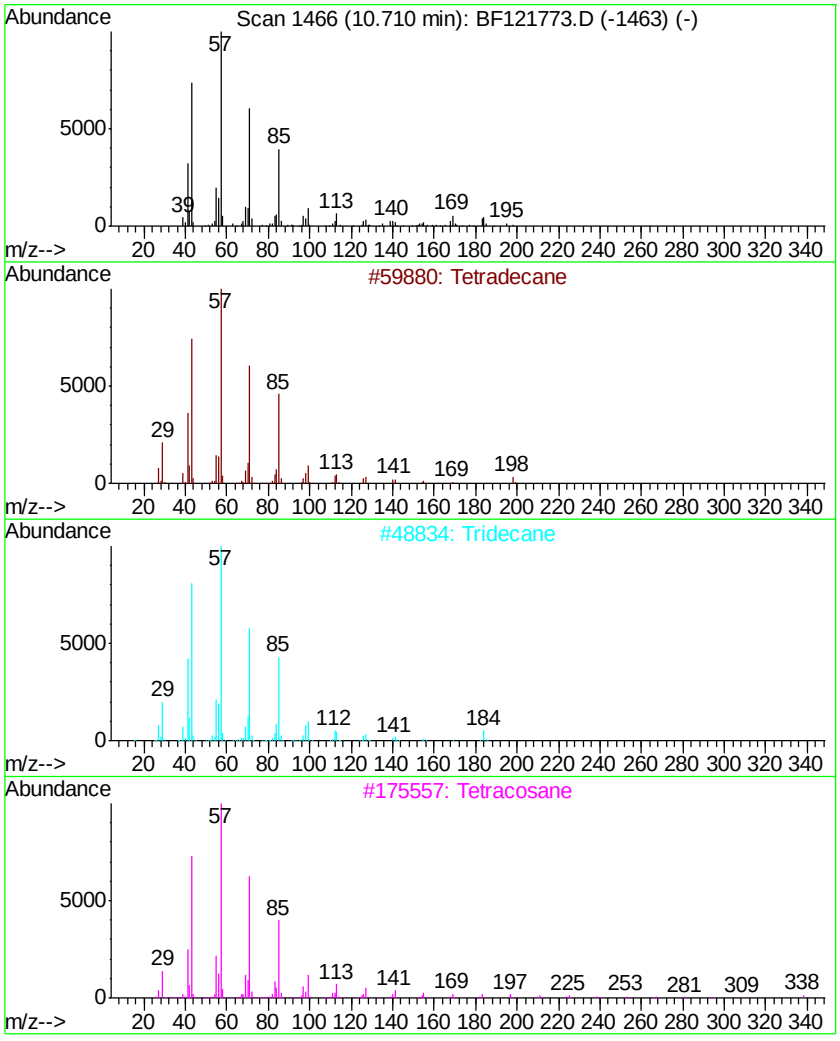
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

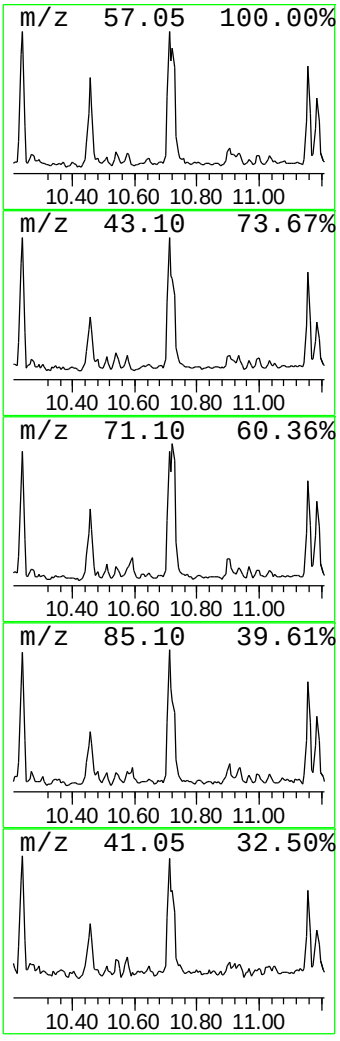
****

Peak Number 6 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	6.14 ng	298287	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Tridecane	184	C13H28	000629-50-5	87
3	Tetracosane	338	C24H50	000646-31-1	80
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

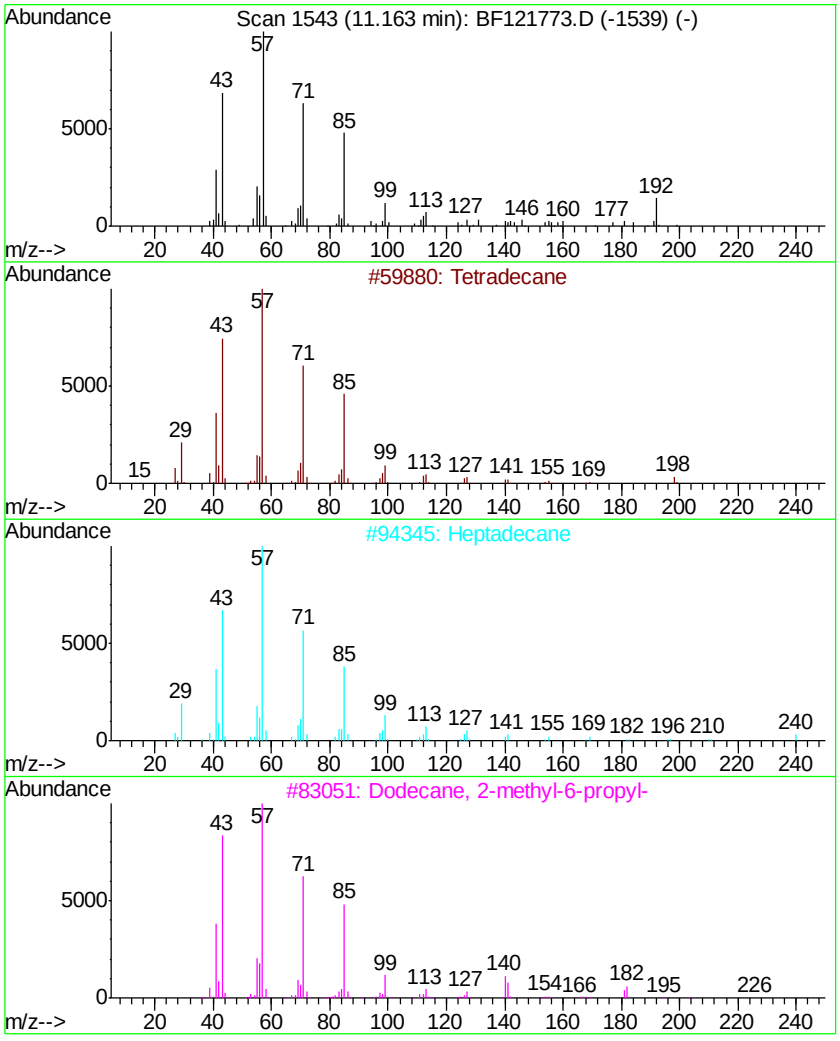
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

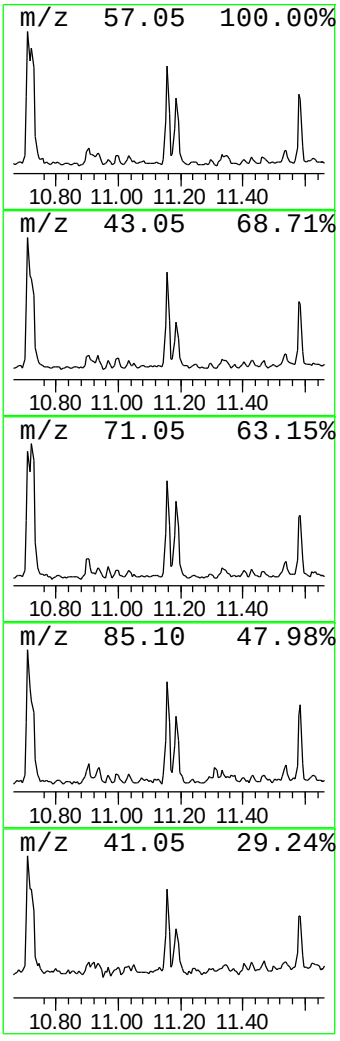
****

Peak Number 7 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	2.50 ng	121653	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Pentadecane	212	C15H32	000629-62-9	83
5	Tridecane	184	C13H28	000629-50-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

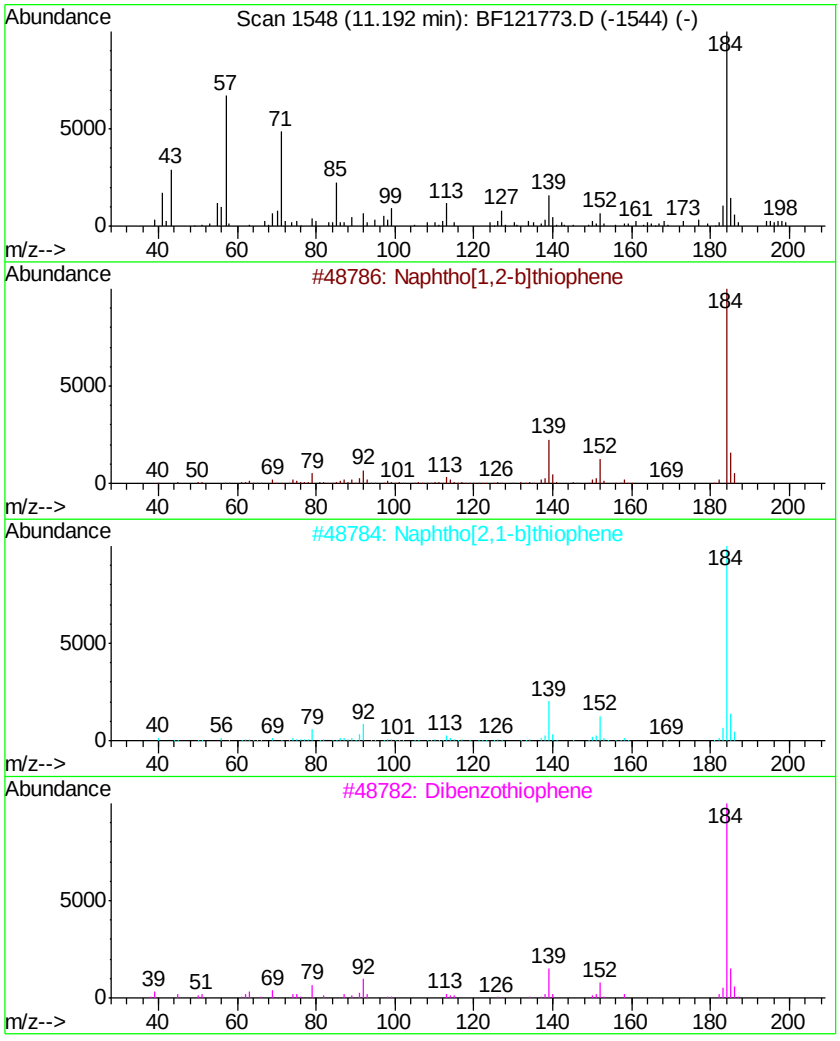
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

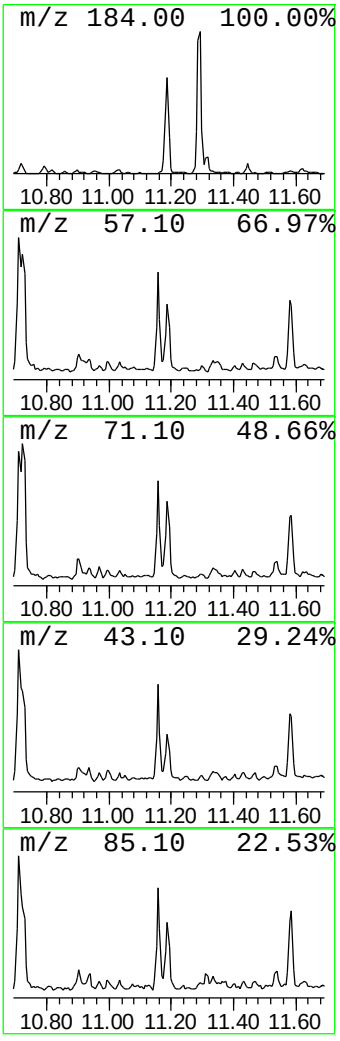
****

Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	3.92 ng	190327	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	89
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

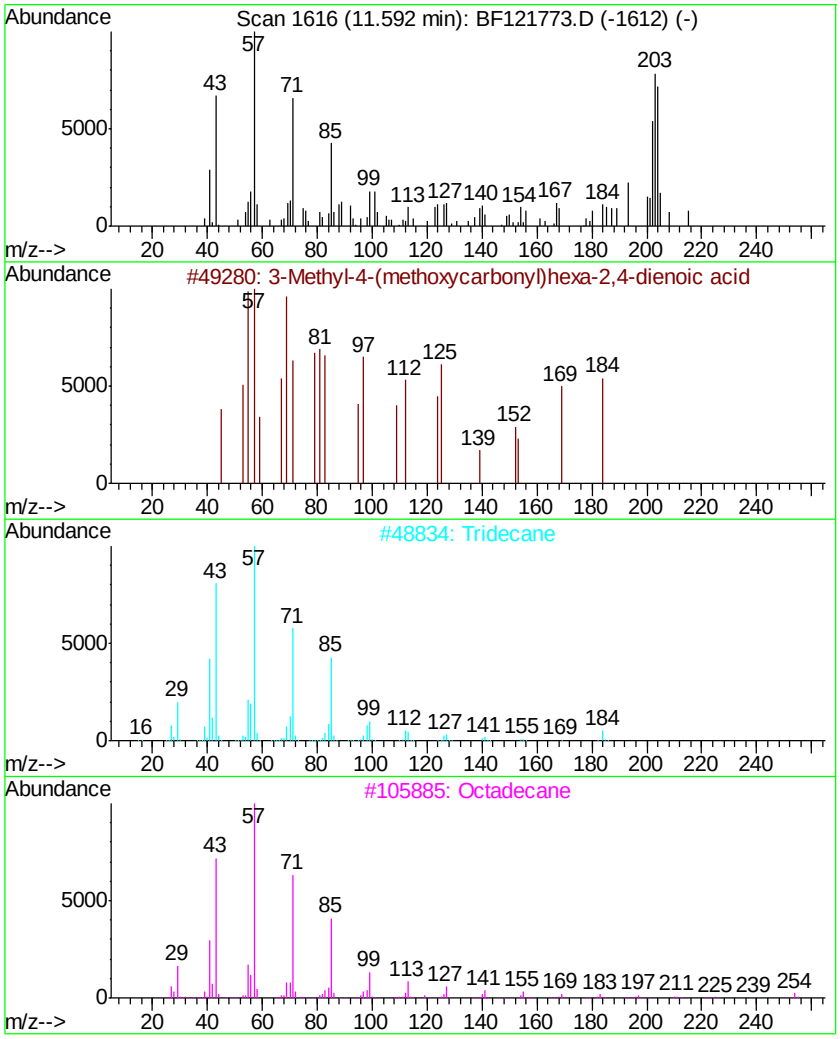
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

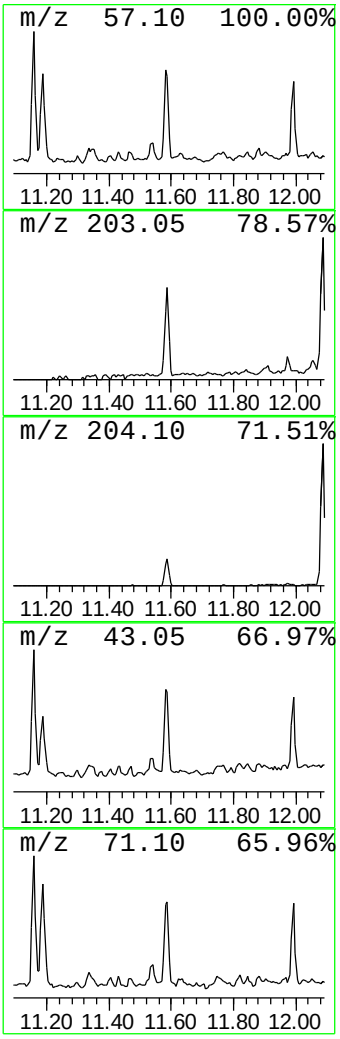
****

Peak Number 9 3-Methyl-4-(methoxycarbonyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.36 ng	114575	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	56
2	Tridecane	184	C13H28	000629-50-5	38
3	Octadecane	254	C18H38	000593-45-3	38
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
5	Octacosane	394	C28H58	000630-02-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

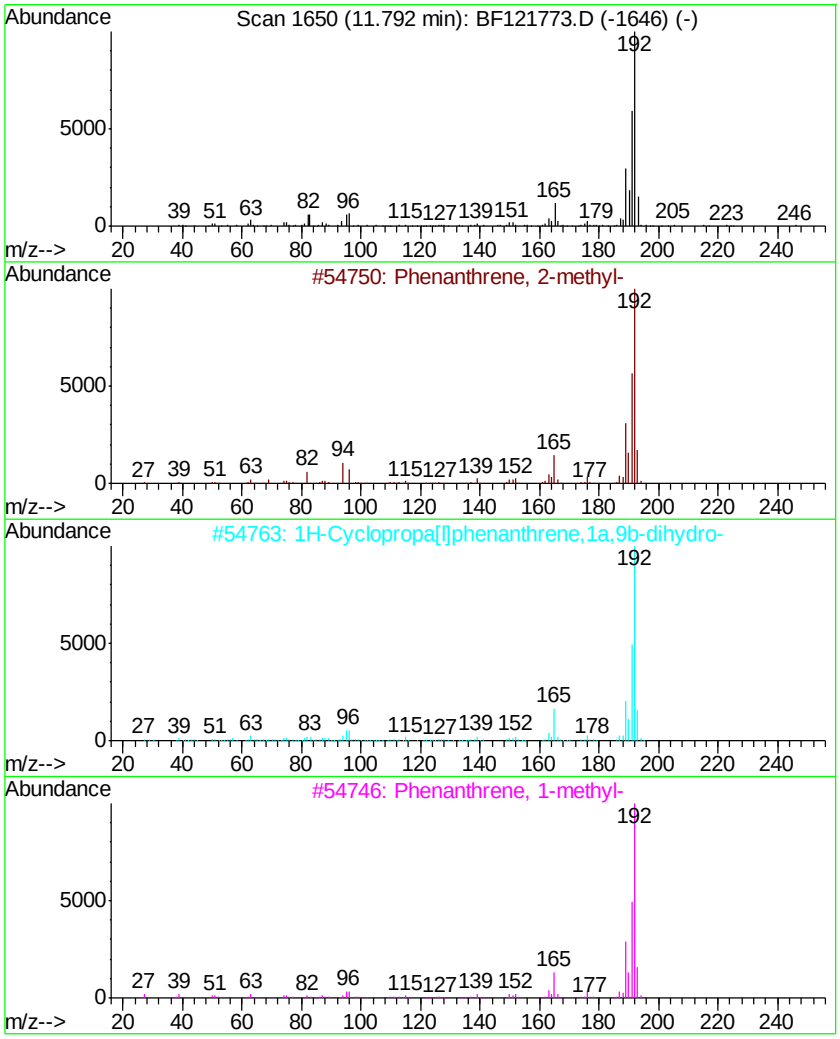
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

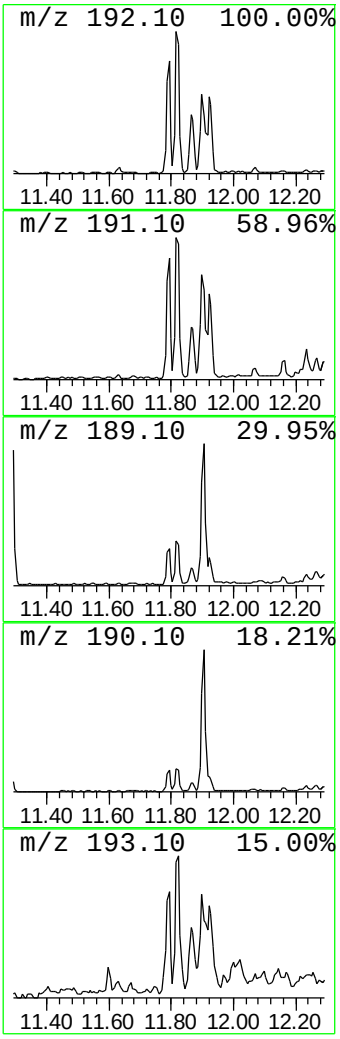
****

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.55 ng	172601	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

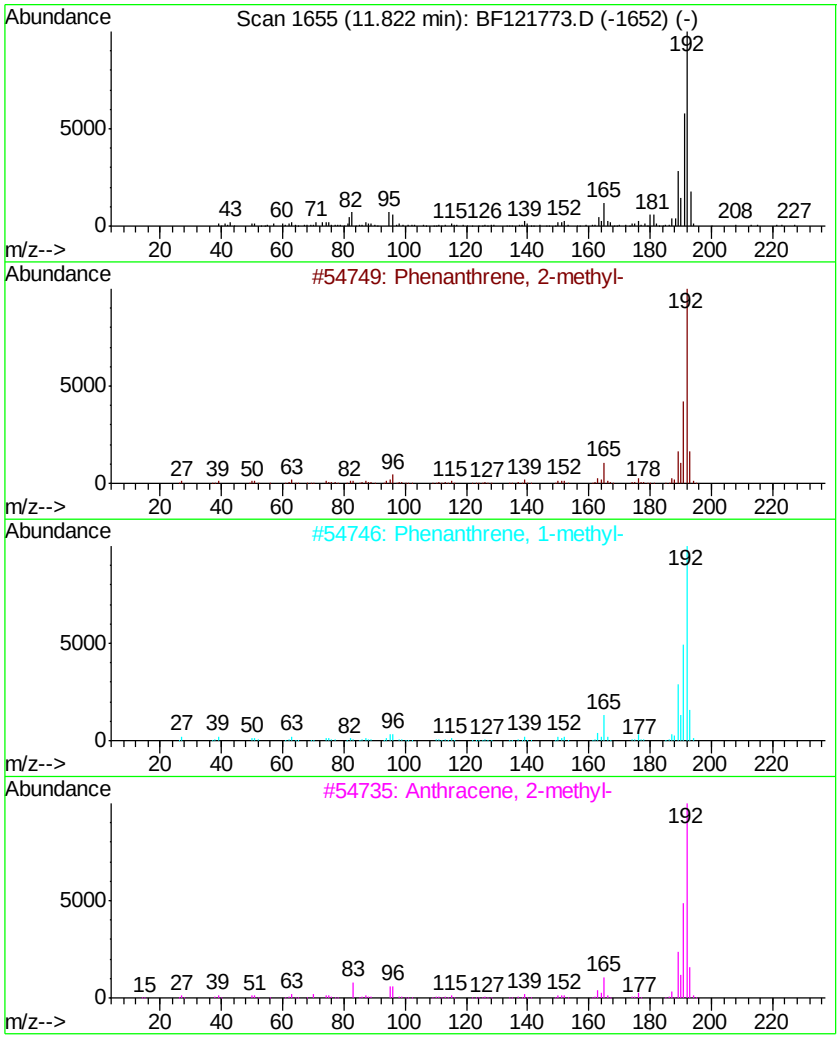
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

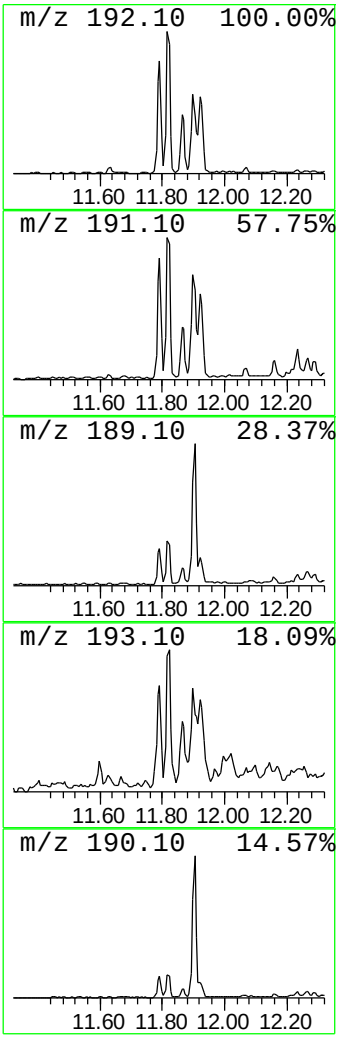
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.63 ng	225163	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

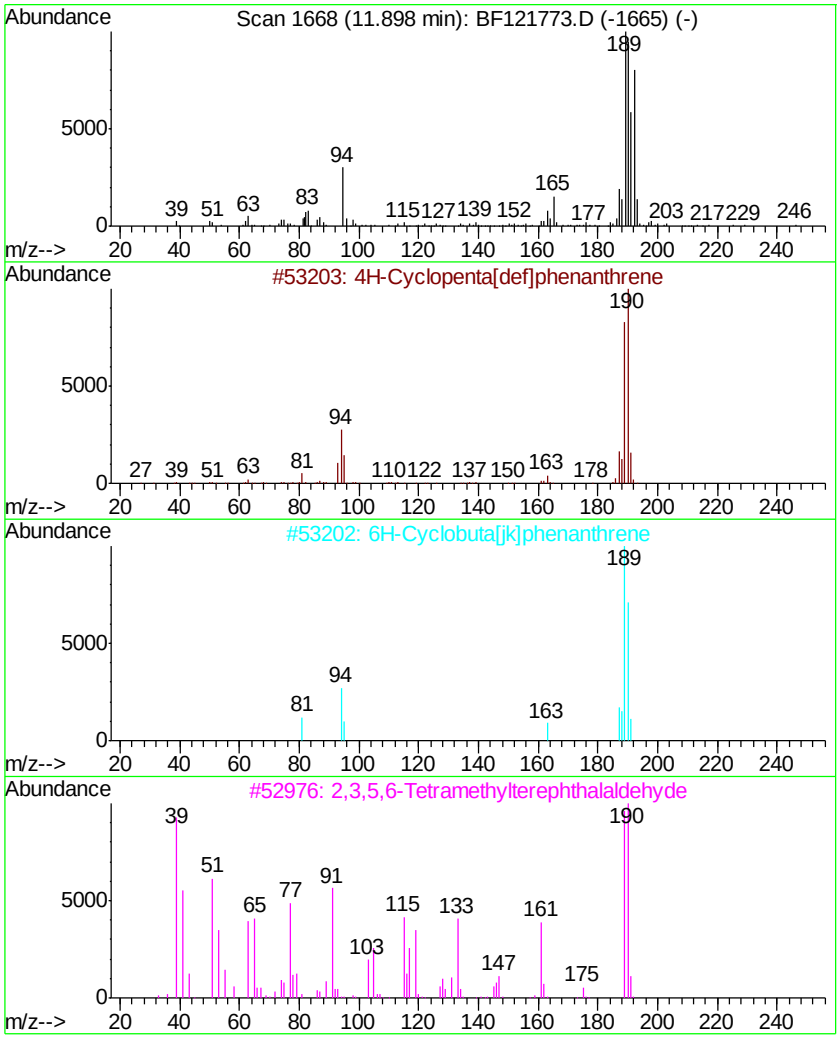
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

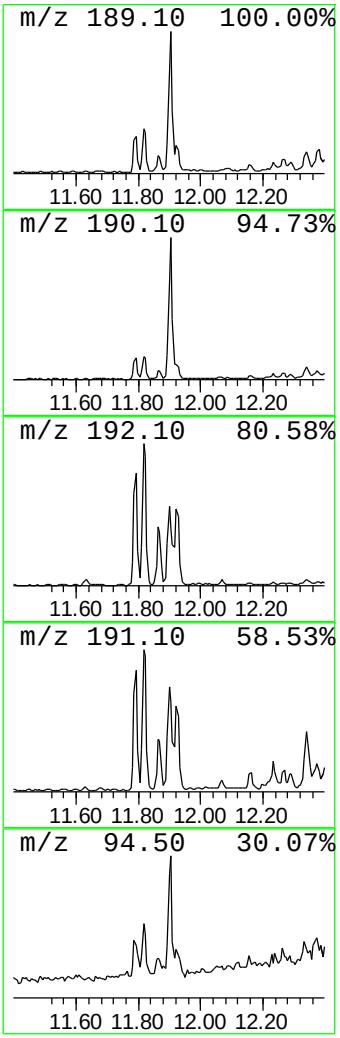
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.50 ng	316121	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Megastigmatrienone	190	C13H18O	038818-55-2	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

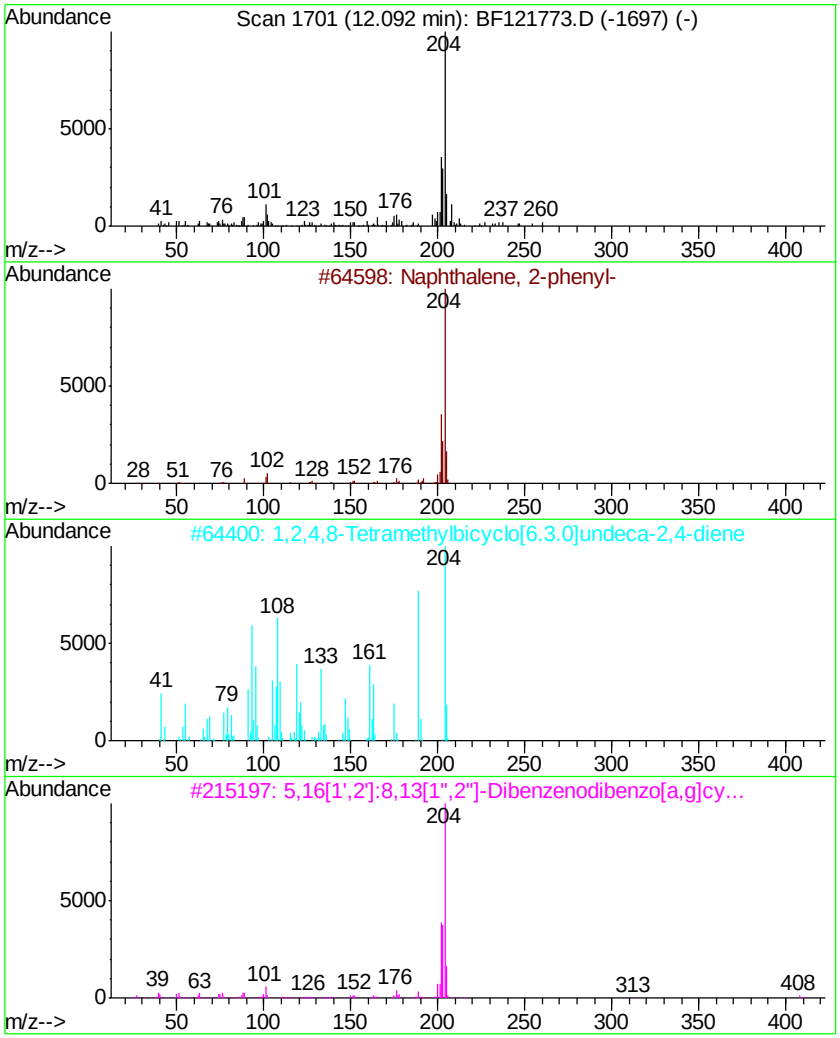
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

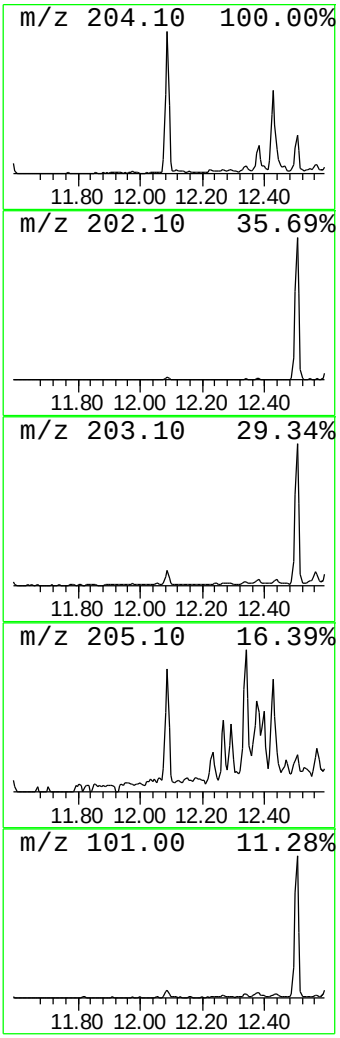
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.34 ng	113922	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

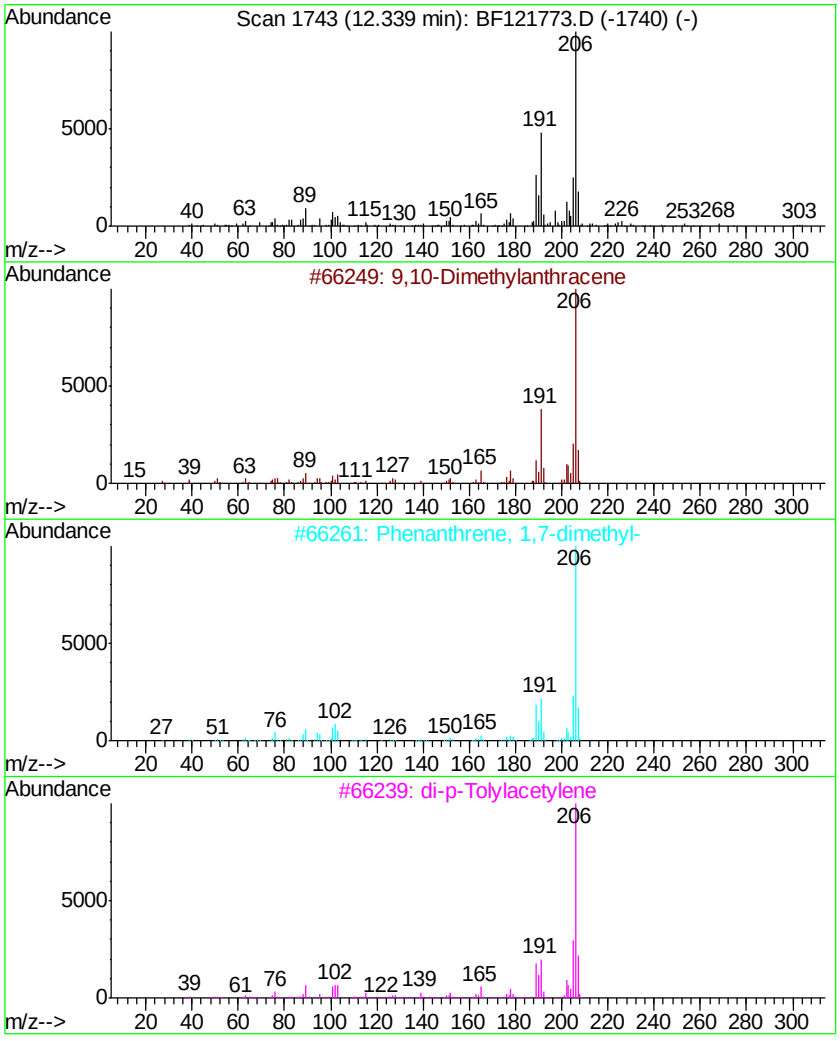
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

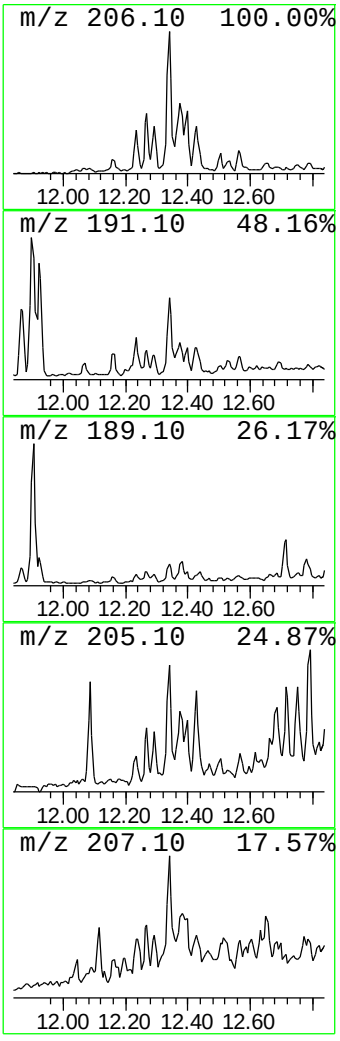
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.52 ng	122388	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

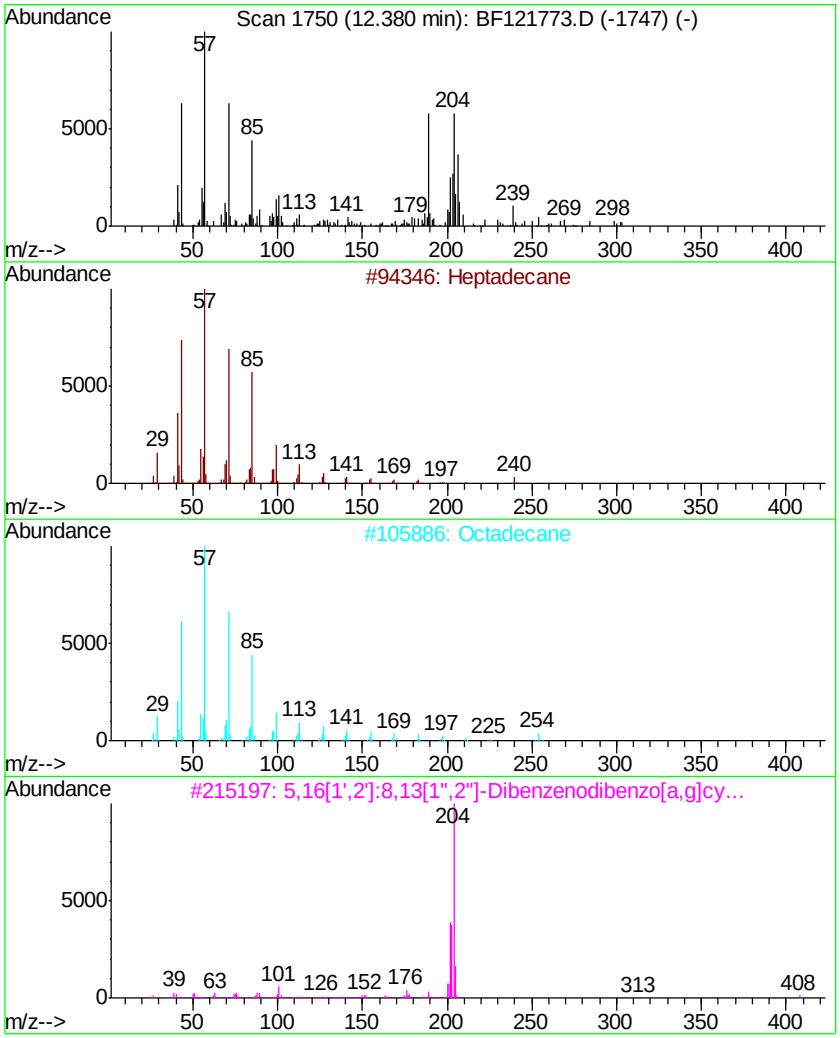
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

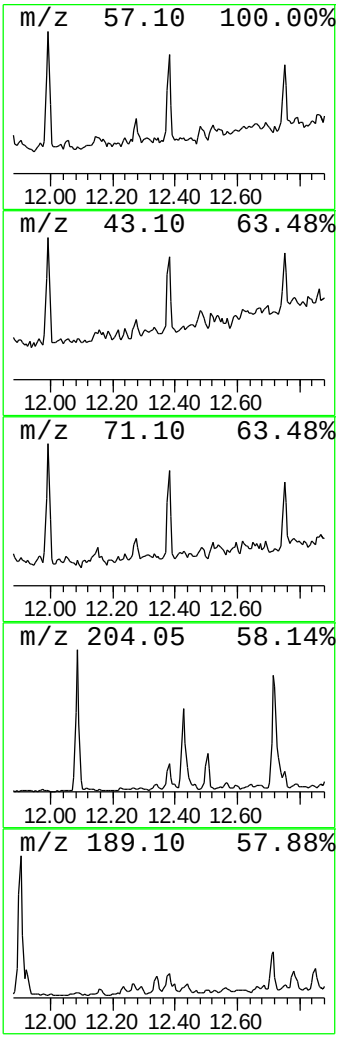
****

Peak Number 15 unknown12.38 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.53 ng	123184	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	43
2	Octadecane	254	C18H38	000593-45-3	38
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	22
4	Succinic acid, hexadecyl tetrahy...	426	C25H46O5	1000329-87-2	22
5	Tetracosane	338	C24H50	000646-31-1	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

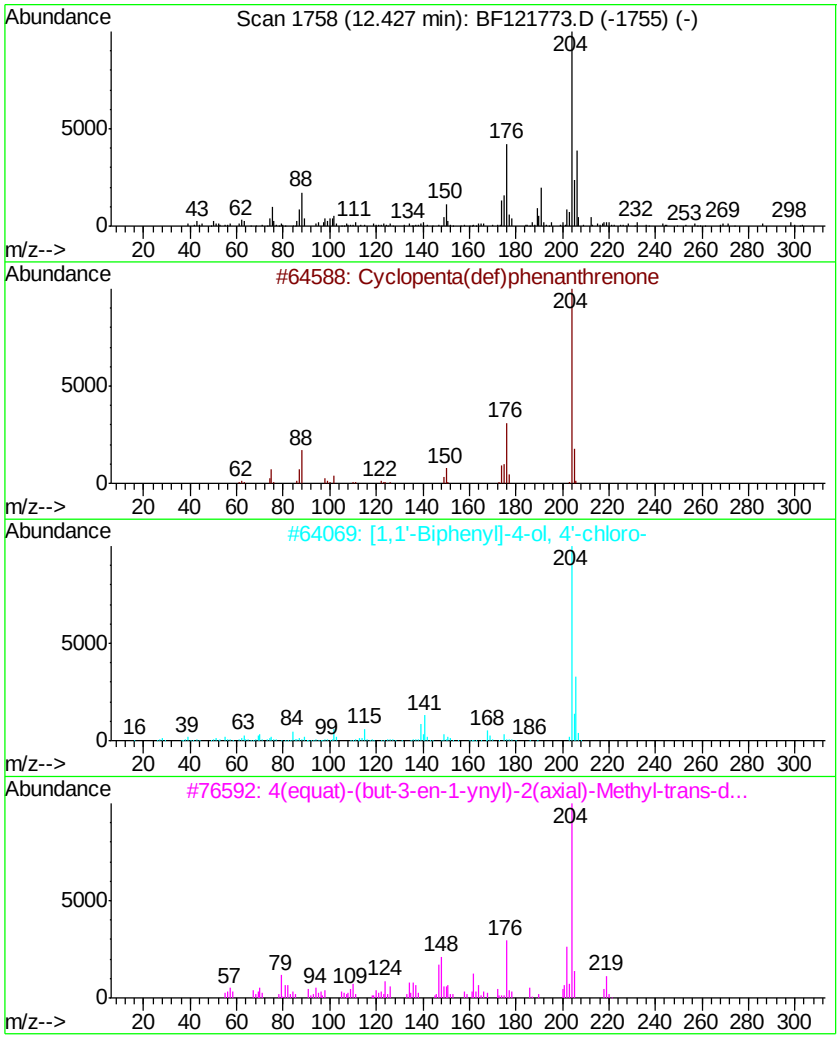
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

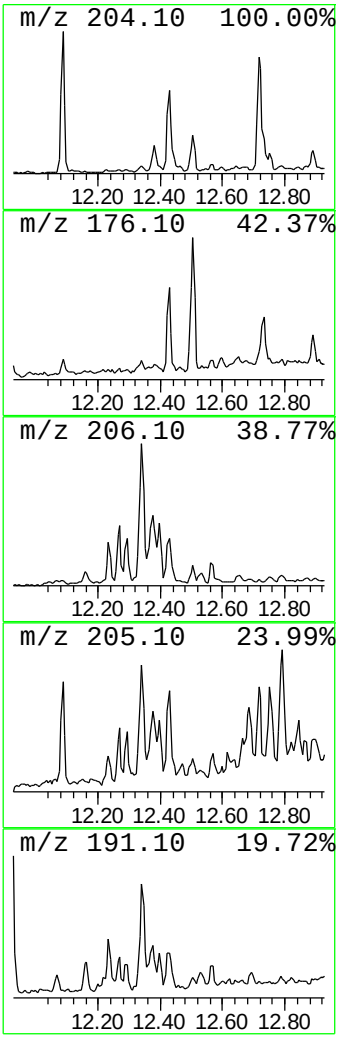
****

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.83 ng	137628	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

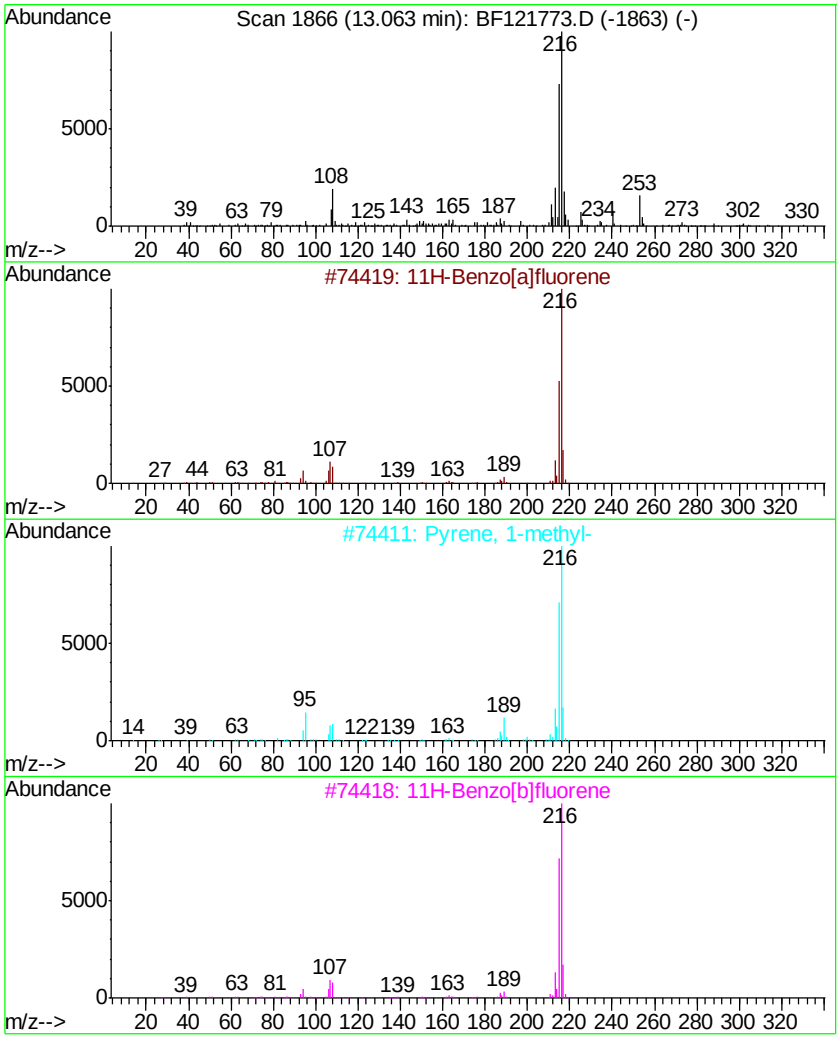
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

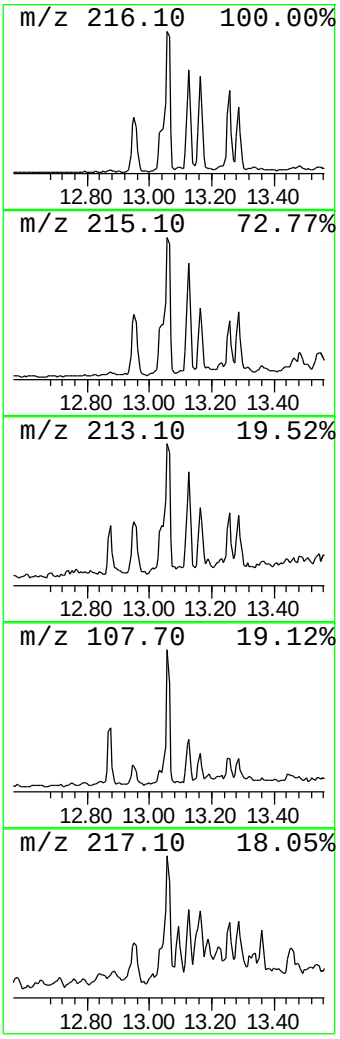
****

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.95 ng	326165	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
4	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

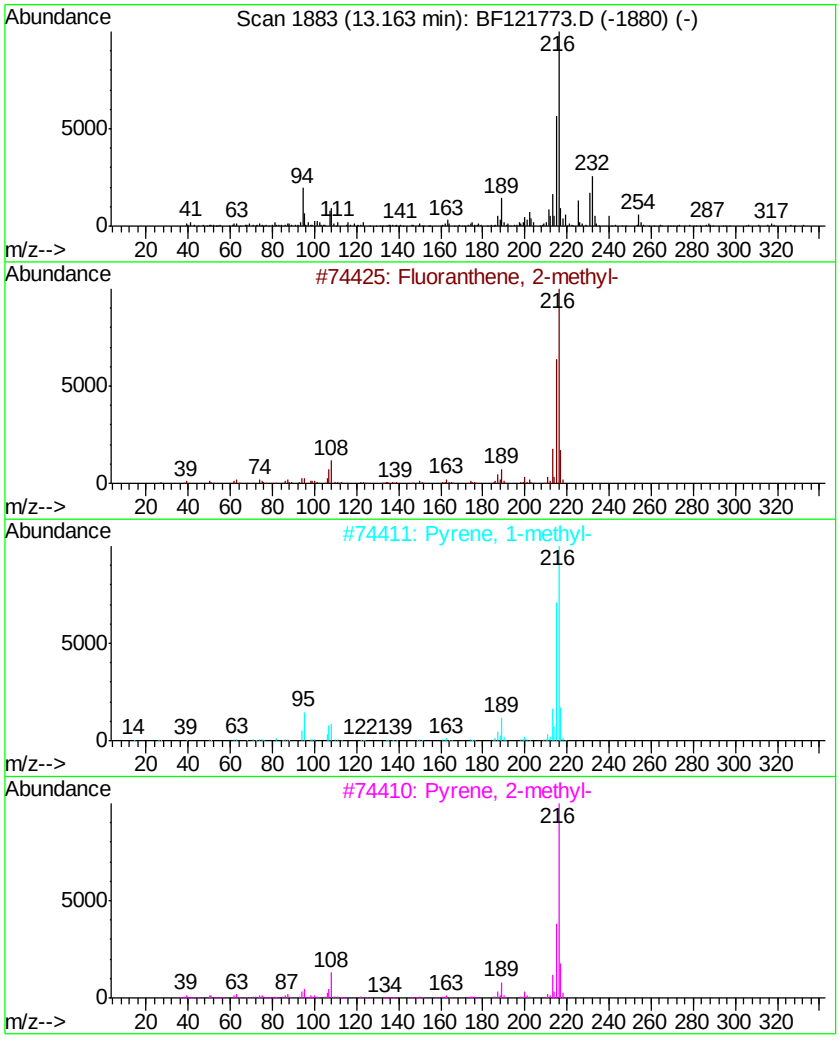
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

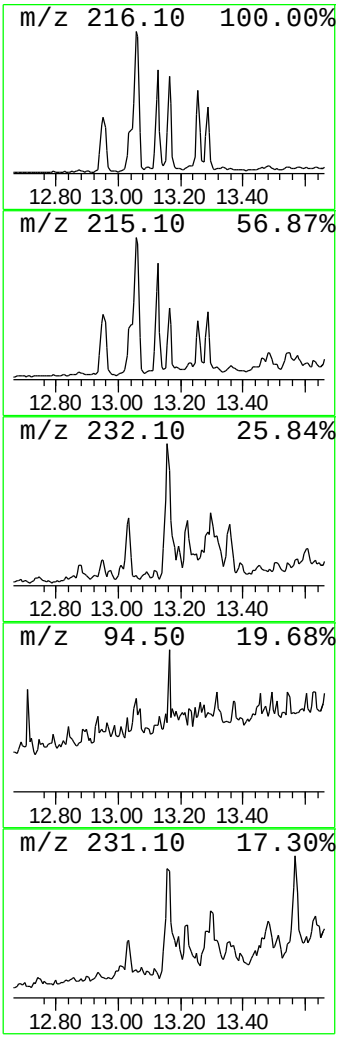
****

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.73 ng	225603	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	52
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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

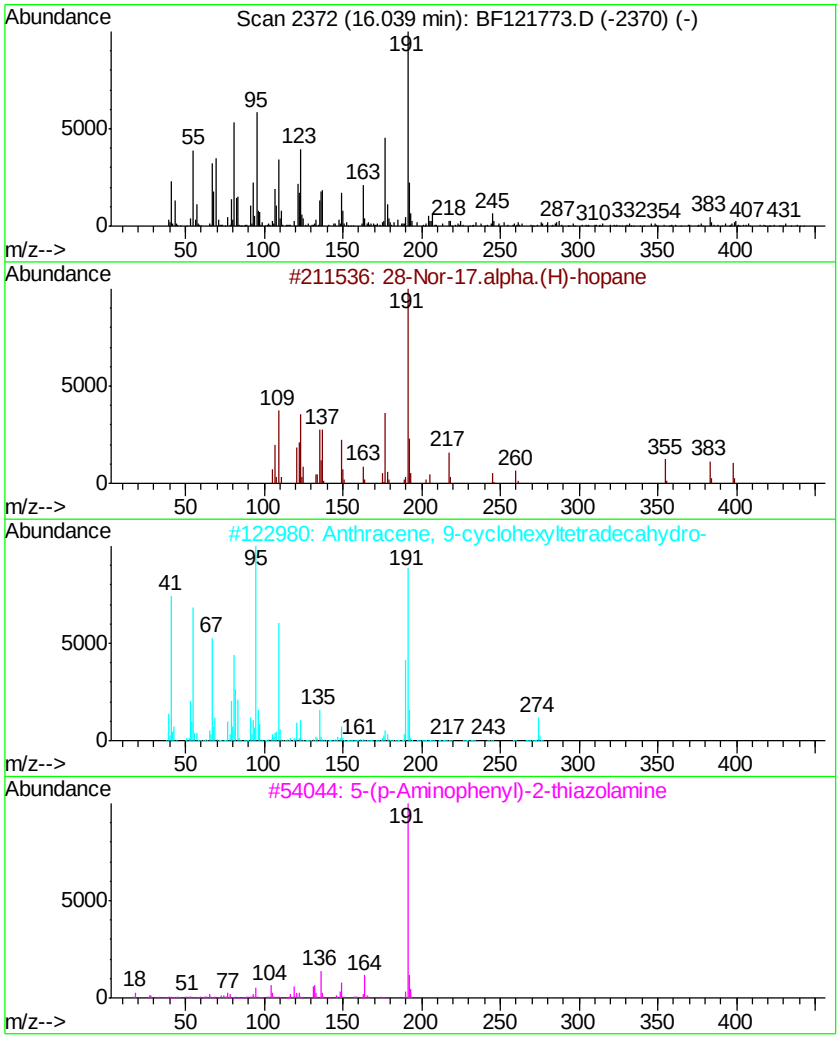
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

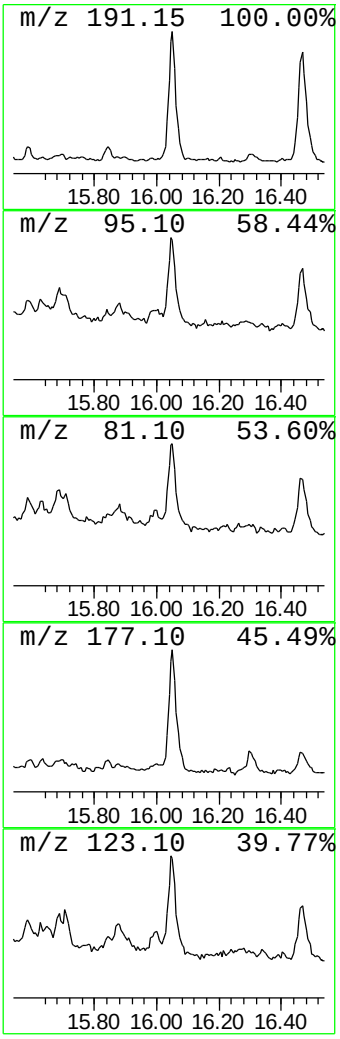
****

Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	14.67 ng	811412	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	59
2	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	27
3	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	25
4	(3-Cyano-6-ethyl-5-methyl-pyridi...	264	C13H16N2O2S	1000300-45-4	22
5	Succinic acid, 2-methylphenyl 2,...	352	C17H14Cl2O4	1000357-54-2	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121773.D
Acq On : 1 Oct 2020 18:14
Operator : JU/CG
Sample : L4179-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-10(4-5)

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
Ethanol, 2-(2-eth...	6.60	2.9	ng	133722	1	6.77	928728	20.0
Tridecane	8.65	2.4	ng	158258	2	8.05	1326680	20.0
Tetradecane	9.21	3.6	ng	221602	3	9.80	1222760	20.0
Pentadecane	9.74	2.5	ng	150843	3	9.80	1222760	20.0
Tetracosane	10.71	6.1	ng	298287	4	11.29	972157	20.0
Heptadecane	11.16	2.5	ng	121653	4	11.29	972157	20.0
Naphtho[1,2-b]thi...	11.19	3.9	ng	190327	4	11.29	972157	20.0
3-Methyl-4-(metho...	11.59	2.4	ng	114575	4	11.29	972157	20.0
1H-Cyclopropa[l]p...	11.79	3.5	ng	172601	4	11.29	972157	20.0
Phenanthrene, 2-m...	11.82	4.6	ng	225163	4	11.29	972157	20.0
4H-Cyclopenta[def...	11.90	6.5	ng	316121	4	11.29	972157	20.0
Naphthalene, 2-ph...	12.09	2.3	ng	113922	4	11.29	972157	20.0
9,10-Dimethylanth...	12.34	2.5	ng	122388	4	11.29	972157	20.0
unknown12.38	12.38	2.5	ng	123184	4	11.29	972157	20.0
Cyclopenta(def)ph...	12.43	2.8	ng	137628	4	11.29	972157	20.0
11H-Benzo[a]fluorene	13.06	4.0	ng	326165	5	13.93	1651080	20.0
Fluoranthene, 2-m...	13.16	2.7	ng	225603	5	13.93	1651080	20.0
28-Nor-17.alpha.(...	16.04	14.7	ng	811412	6	15.38	1106100	20.0