LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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	5.434	565	569	579	rVB	1535642	1472695	27.27%	2.302%
2	6.451	738	742	747	rBV	1657017	1556615	28.82%	2.433%
3	6.816	800	804	811	rVB	1244447	1001129	18.54%	1.565%
4	7.375	889	899	904	rBV	1143690	1178208	21.81%	1.842%
5	7.851	971	980	984	rBV3	200743	425470	7.88%	0.665%
6	8.104	1017	1023	1025	rVV	1335651	1432517	26.52%	2.239%
7	8.163	1029	1033	1035	rVB	157967	153064	2.83%	0.239%
8	8.392	1065	1072	1075	rBV5	124221	196241	3.63%	0.307%
9	8.481	1084	1087	1091	rVB3	94084	105389	1.95%	0.165%
10	8.528	1091	1095	1097	rBV	255848	259164	4.80%	0.405%
11	8.816	1142	1144	1147	rVB	291219	224530	4.16%	0.351%
12	8.916	1152	1161	1169	rBV	1044470	1162703	21.53%	1.817%
13	9.010	1175	1177	1182	rVB4	87845	120174	2.22%	0.188%
14	9.128	1194	1197	1201	rVB	362923	283659	5.25%	0.443%
15	9.181	1201	1206	1209	rBV	2133658	1789986	33.14%	2.798%
16	9.263	1216	1220	1225	rBV4	132766	237907	4.40%	0.372%
17	9.375	1236	1239	1244	rVB	324310	347724	6.44%	0.544%
18	9.445	1246	1251	1255	rVV	640683	924470	17.12%	1.445%
19	9.516	1260	1263	1266	rVV	1131085	1169989	21.66%	1.829%
20	9.545	1266	1268	1270	rVV	326594	281476	5.21%	0.440%
21	9.586	1270	1275	1277	rVV3	577131	830597	15.38%	1.298%
22	9.634	1281	1283	1288	rVB	519226	584352	10.82%	0.913%
23	9.716	1294	1297	1302	rVB	417312	432014	8.00%	0.675%
24	9.769	1303	1306	1309	rBV	125656	115895	2.15%	0.181%
25	9.863	1315	1322	1324	rBV2	1475443	1691348	31.31%	2.644%
26	9.892	1324	1327	1330	rVV	1564761	1379138	25.53%	2.156%
27	9.969	1336	1340	1343	rVV2	247965	331424	6.14%	0.518%
28	10.016	1343	1348	1350	rVV4	152893	257362	4.76%	0.402%
29	10.063	1352	1356	1360	rVV	1037979	1077180	19.94%	1.684%
30	10.104	1360	1363	1372	rVV3	410149	559685	10.36%	0.875%
31	10.181	1372	1376	1378	rVV2	319963	349581	6.47%	0.546%
32	10.204	1378	1380	1383	rVV	272628	227579	4.21%	0.356%
33	10.269	1387	1391	1393	rVV	255833	338179	6.26%	0.529%
34	10.286	1393	1394	1397	rVV2	191955	110353	2.04%	0.172%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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	10.316	1397	1399	1402	rVV3	108725	124205	2.30%	0.194%
36	10.357	1402	1406	1409	rVV4	168538	271938	5.03%	0.425%
37	10.410	1411	1415	1421	rVV	1884209	1809972	33.51%	2.829%
38	10.457	1421	1423	1424	rVV	141360	120141	2.22%	0.188%
39	10.475	1424	1426	1428	rVV	259387	251978	4.67%	0.394%
40	10.492	1428	1429	1431	rVV2	263860	234619	4.34%	0.367%
41	10.516	1431	1433	1436	rVV2	410727	403674	7.47%	0.631%
42	10.563	1439	1441	1445	rVB	325705	313483	5.80%	0.490%
43	10.651	1450	1456	1460	rVV2	1098221	1269290	23.50%	1.984%
44	10.698	1460	1464	1467	rVB3	91659	149036	2.76%	0.233%
45	10.781	1474	1478	1484	rVB2	434226	497048	9.20%	0.777%
46	10.845	1484	1489	1492	rBV3	119051	180360	3.34%	0.282%
47	10.957	1503	1508	1511	rBV2	390518	459984	8.52%	0.719%
48	10.986	1511	1513	1516	rVV2	254647	220897	4.09%	0.345%
49	11.039	1519	1522	1525	rVB	257577	241751	4.48%	0.378%
50	11.086	1525	1530	1532	rBV3	119230	200465	3.71%	0.313%
51	11.110	1532	1534	1536	rVV	132559	112762	2.09%	0.176%
52	11.157	1539	1542	1545	rVB2	103852	108816	2.01%	0.170%
53	11.204	1546	1550	1553	rBV4	137566	208623	3.86%	0.326%
54	11.245	1553	1557	1563	rVB	806133	764984	14.16%	1.196%
55	11.351	1571	1575	1577	rBV	1230442	1477072	27.35%	2.309%
56	11.380	1577	1580	1583	rVV	4965969	5401161	100.00%	8.442%
57	11.428	1583	1588	1591	rVV	1974268	1621540	30.02%	2.535%
58	11.457	1591	1593	1596	rVB2	131485	132306	2.45%	0.207%
59	11.580	1611	1614	1616	rBV	209274	179495	3.32%	0.281%
60	11.645	1622	1625	1627	rBV	180235	135556	2.51%	0.212%
61	11.680	1628	1631	1637	rVB2	217386	225827	4.18%	0.353%
62	11.763	1642	1645	1649	rVB	142166	149800	2.77%	0.234%
63	11.851	1656	1660	1662	rBV	768046	670244	12.41%	1.048%
64	11.880	1662	1665	1669	rVB	971520	800650	14.82%	1.251%
65	11.928	1670	1673	1676	rVV	326199	288888	5.35%	0.452%
66	11.963	1676	1679	1682	rVV	1414324	1551467	28.72%	2.425%
67	11.986	1682	1683	1687	rVB	516906	301132	5.58%	0.471%
68	12.145	1707	1710	1713	rVV	425105	369364	6.84%	0.577%
69	12.327	1738	1741	1743	rVV	161772	150976	2.80%	0.236%
70	12.351	1743	1745	1748	rVB2	135465	105283	1.95%	0.165%
71	12.404	1750	1754	1757	rBV	319004	374760	6.94%	0.586%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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	12.439	1757	1760	1762	rVV	226150	246300	4.56%	0.385%
73	12.486	1766	1768	1773	rVV2	137320	184198	3.41%	0.288%
74	12.569	1777	1782	1785	rBV	3473613	3387988	62.73%	5.296%
75	12.716	1804	1807	1810	rVB	139440	125568	2.32%	0.196%
76	12.798	1814	1821	1824	rBV	3135877	3450012	63.88%	5.393%
77	12.845	1826	1829	1833	rVB2	128757	172494	3.19%	0.270%
78	12.910	1837	1840	1841	rBV2	143672	126390	2.34%	0.198%
79	12.939	1841	1845	1851	rVB	1593682	1655555	30.65%	2.588%
80	13.016	1852	1858	1861	rBV2	207428	356239	6.60%	0.557%
81	13.098	1869	1872	1873	rBV2	155009	158294	2.93%	0.247%
82	13.122	1873	1876	1879	rVB	417256	399964	7.41%	0.625%
83	13.186	1884	1887	1890	rVB	324856	259706	4.81%	0.406%
84	13.222	1890	1893	1896	rBV2	278237	280688	5.20%	0.439%
85	13.316	1906	1909	1912	rVB	160576	133814	2.48%	0.209%
86	13.345	1912	1914	1918	rBV	163022	159384	2.95%	0.249%
87	13.651	1964	1966	1971	rVB2	117922	110769	2.05%	0.173%
88	13.739	1978	1981	1984	rBV3	154479	165207	3.06%	0.258%
89	13.769	1984	1986	1988	rVV	158932	125164	2.32%	0.196%
90	13.792	1988	1990	1994	rVV2	122986	167837	3.11%	0.262%
91	13.839	1995	1998	2005	rVB2	261663	341401	6.32%	0.534%
92	13.992	2019	2024	2027	rBV2	1516125	2242999	41.53%	3.506%
93	14.021	2027	2029	2034	rVB	884078	772213	14.30%	1.207%
94	14.380	2088	2090	2093	rVB	201245	151143	2.80%	0.236%
95	15.033	2197	2201	2204	rBV	797154	1147247	21.24%	1.793%
96	15.139	2217	2219	2224	rVB	147381	141122	2.61%	0.221%
97	15.333	2248	2252	2258	rVB	430915	607427	11.25%	0.949%
98	15.398	2259	2263	2269	rVB	627547	792383	14.67%	1.239%
99	15.463	2269	2274	2277	rBV	816706	1073597	19.88%	1.678%
100	16.915	2517	2521	2530	rVB2	280068	554549	10.27%	0.867%

Sum of corrected areas: 63976996

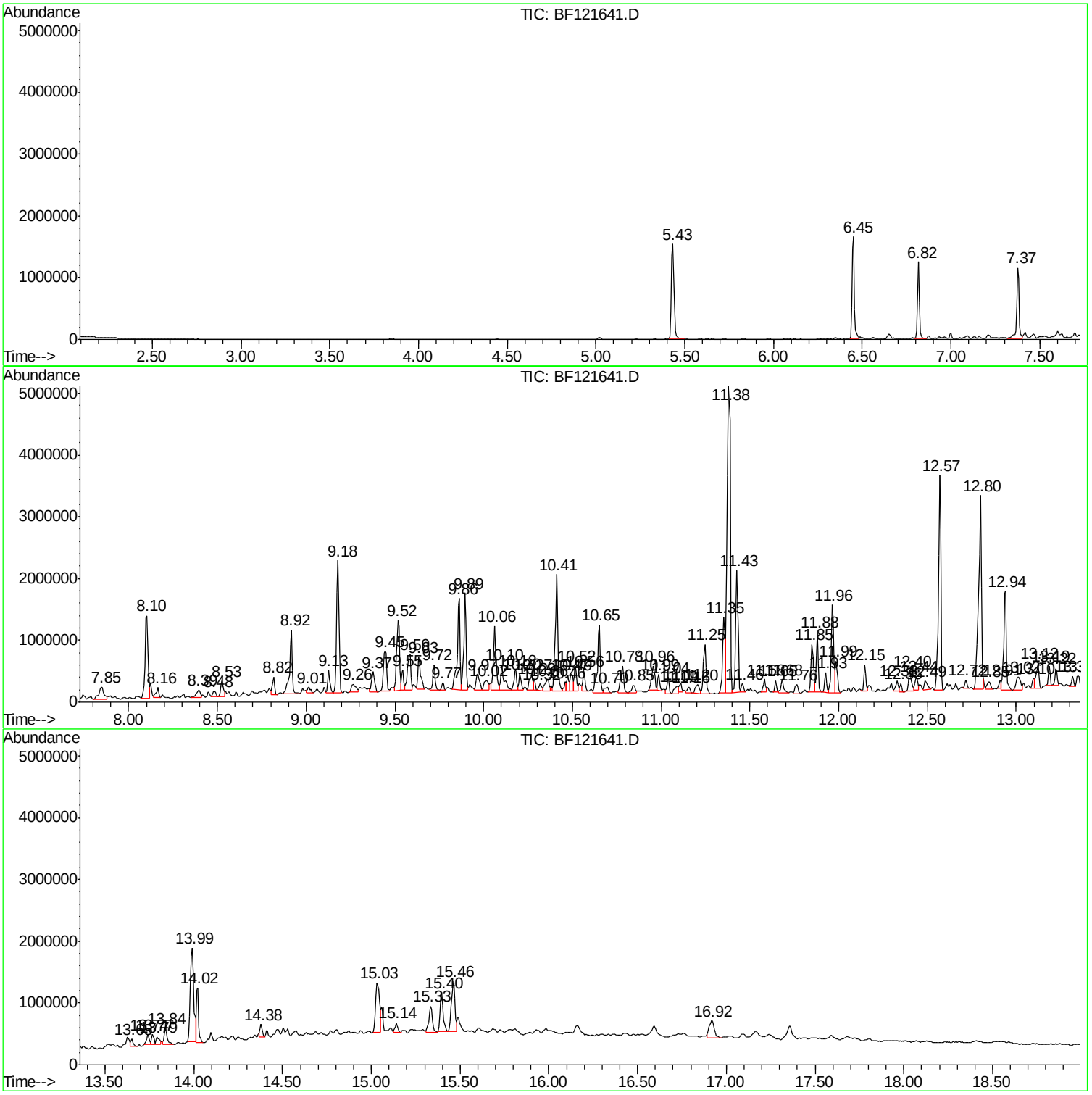
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

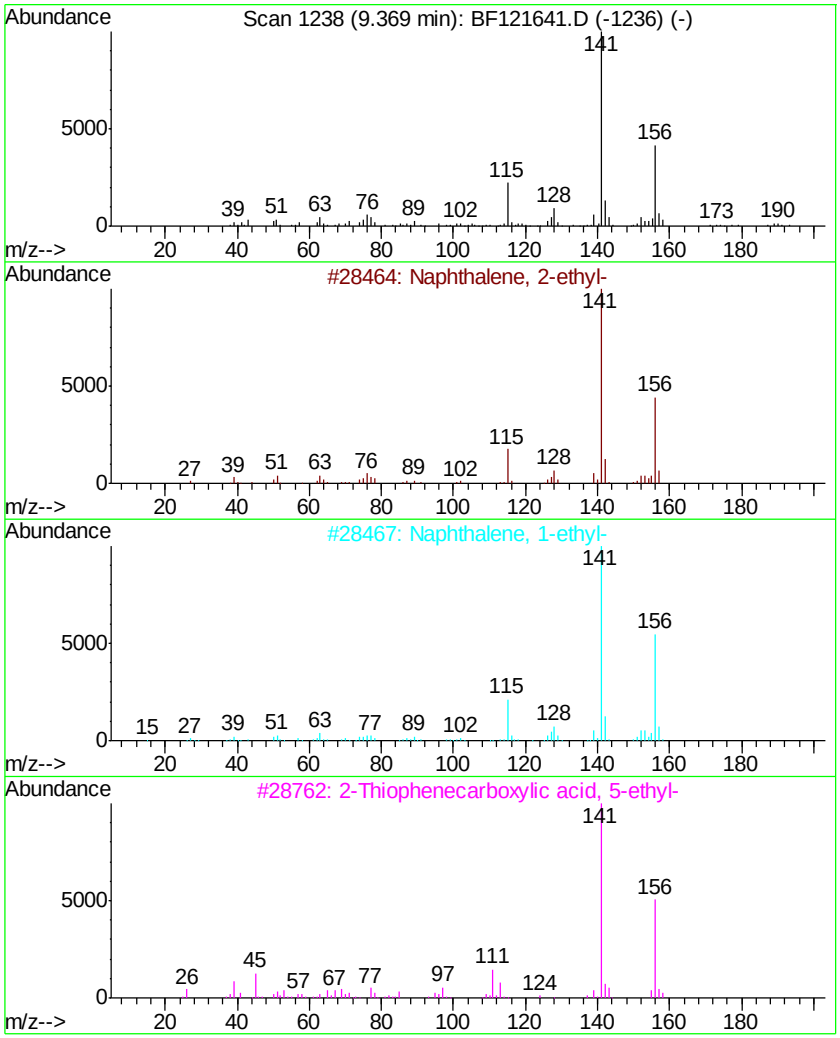
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

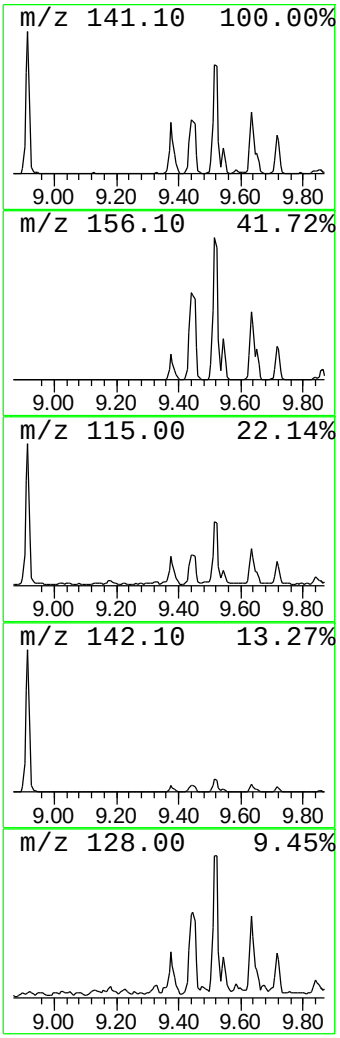
****

Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	4.11 ng	347724	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	Butethal	212	C10H16N2O3	000077-28-1	59
5	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

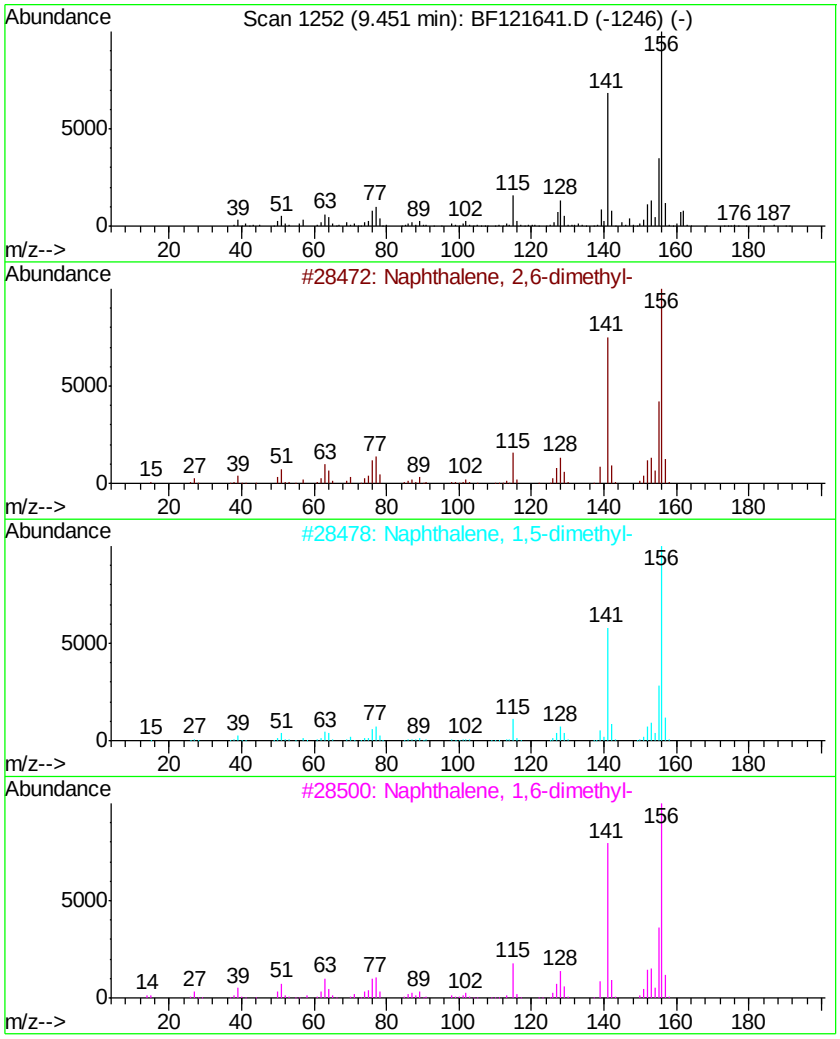
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

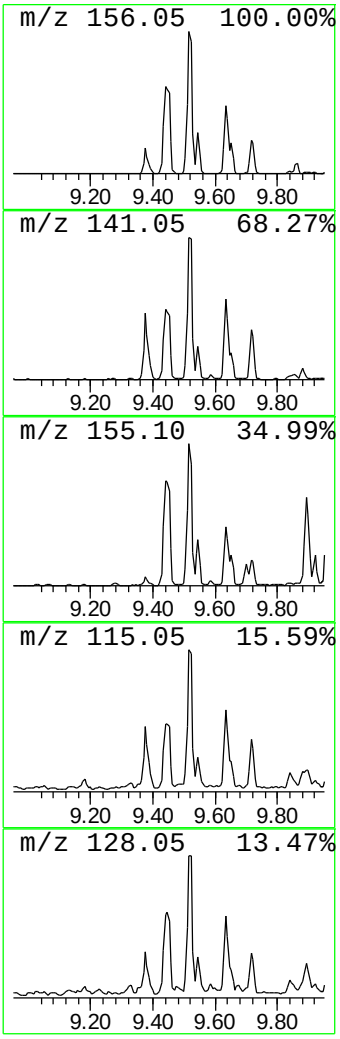
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	10.93 ng	924470	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

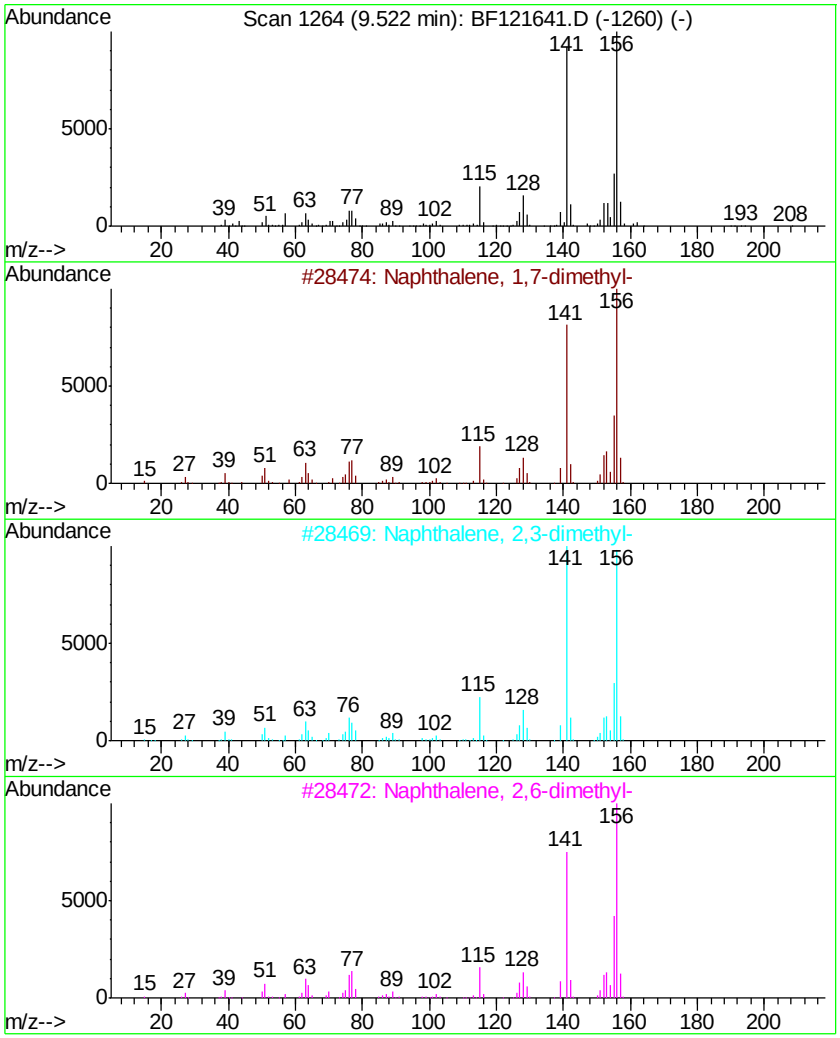
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

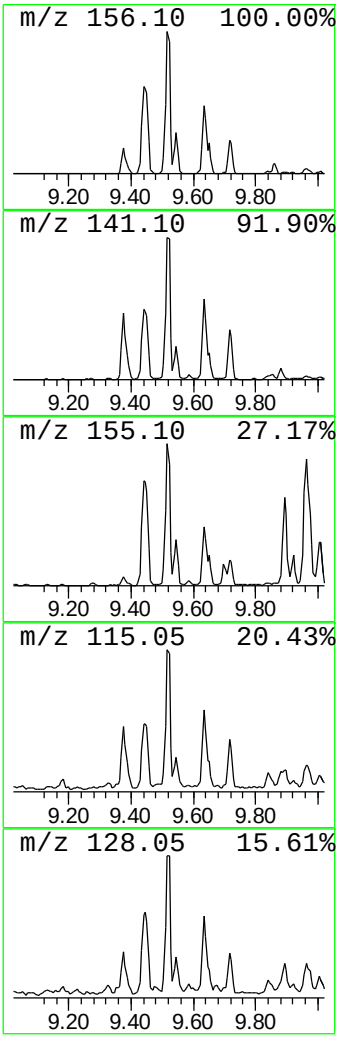
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	13.84 ng	1169990	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

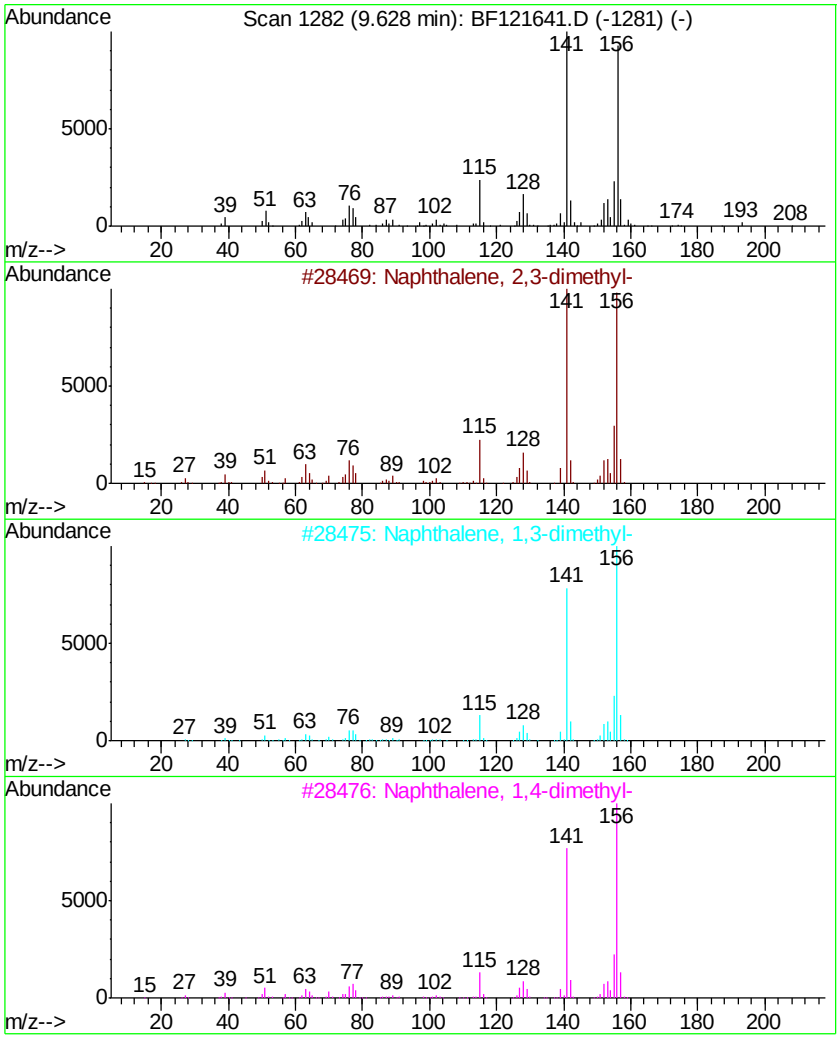
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

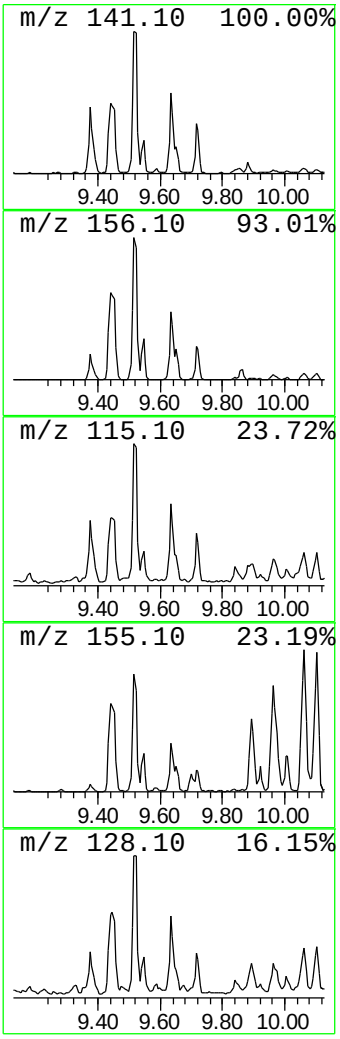
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	6.91 ng	584352	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

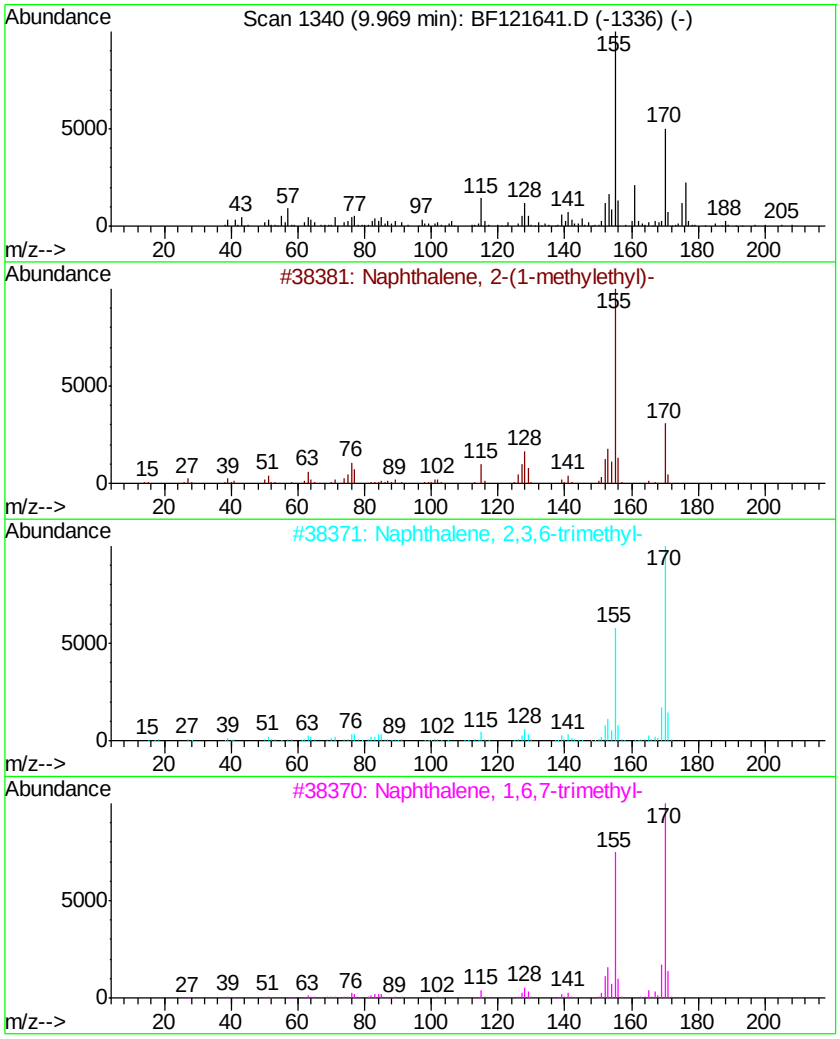
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

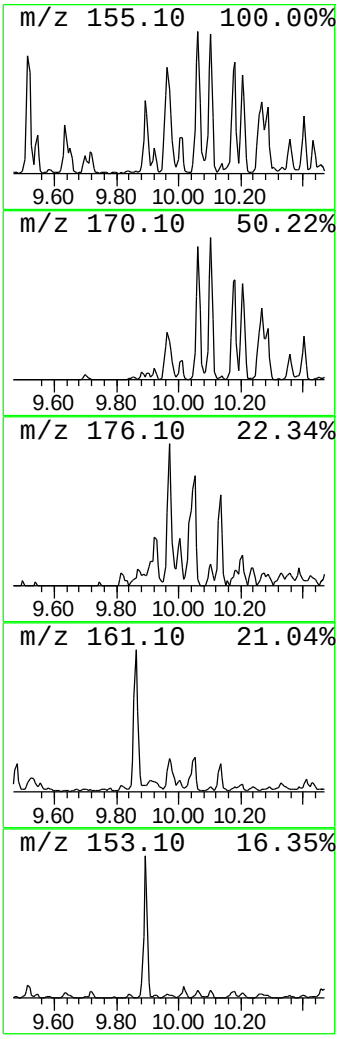
****

Peak Number 5 Naphthalene, 2-(1-methyleth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	3.92 ng	331424	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

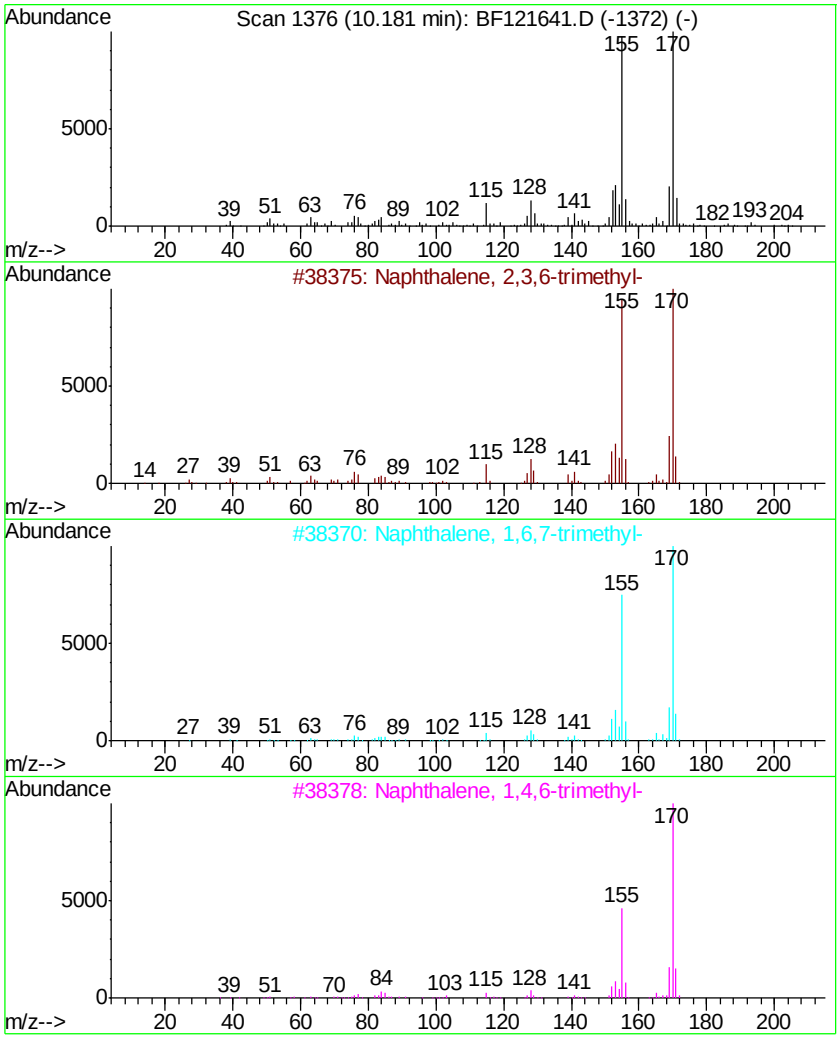
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

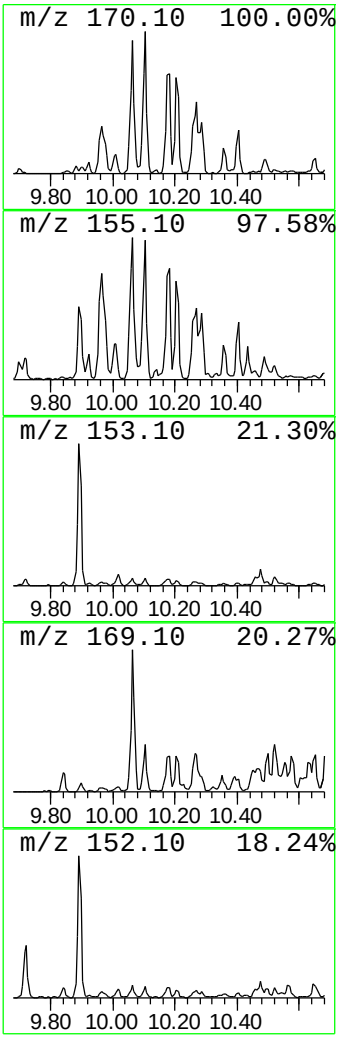
****

Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	4.13 ng	349581	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

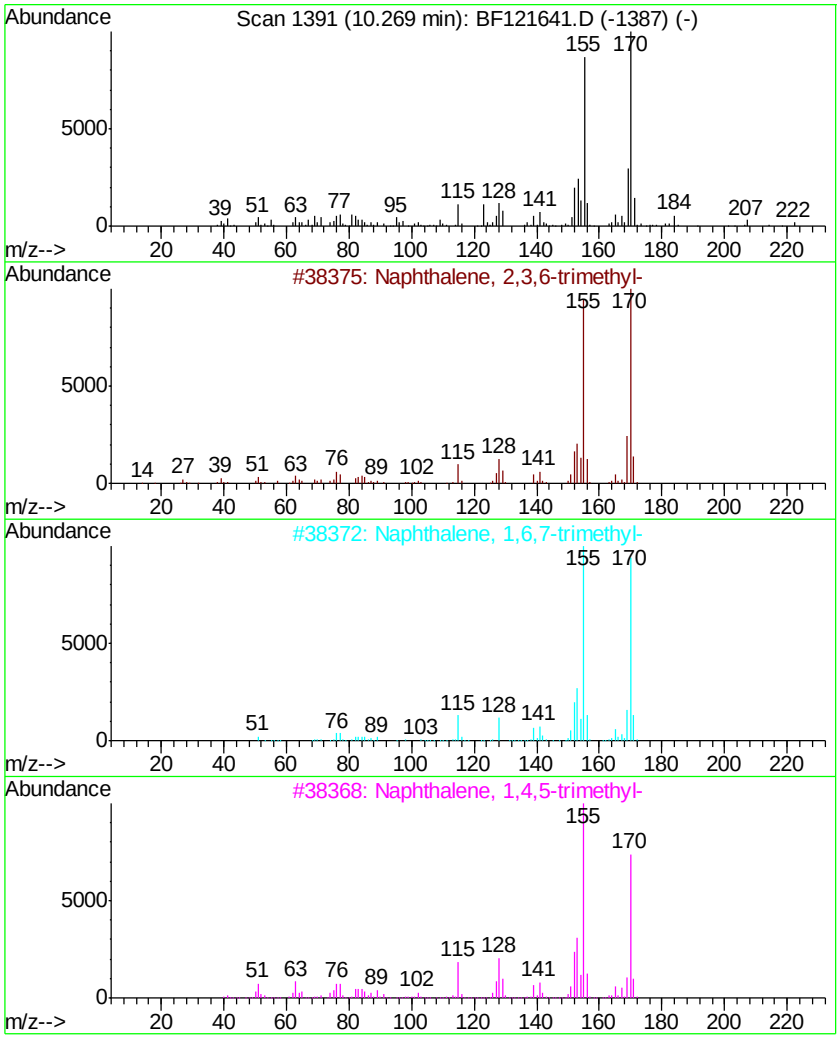
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

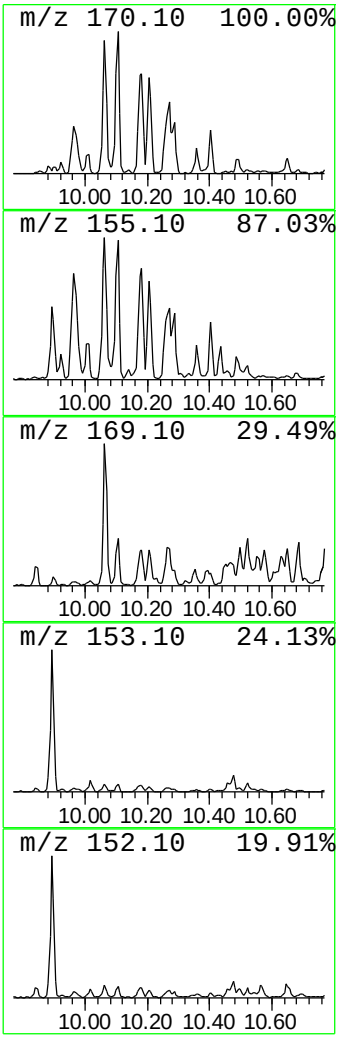
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	4.00 ng	338179	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

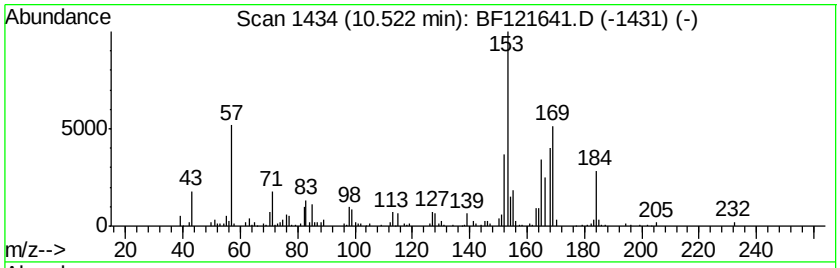
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

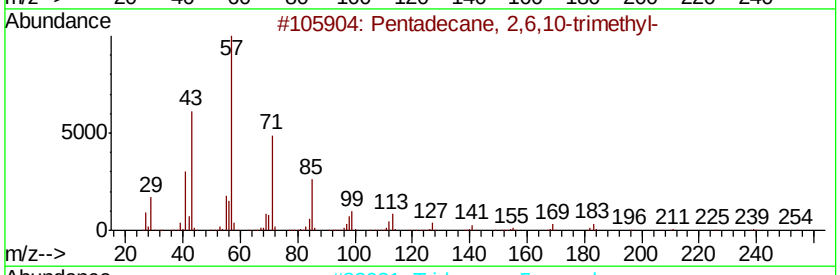
****

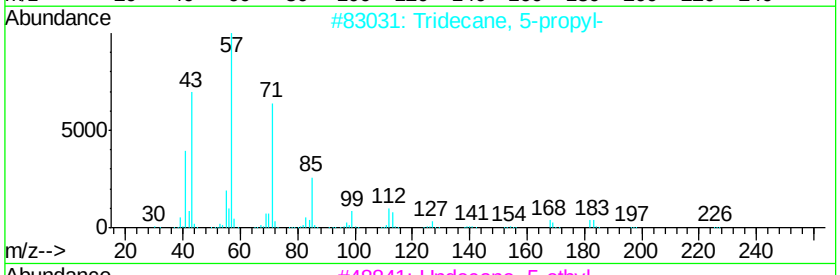
Peak Number 8 unknown10.52 Concentration Rank 13

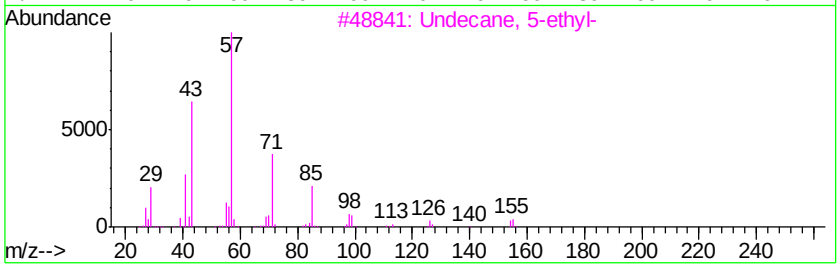
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	4.77 ng	403674	Acenaphthene-d10	9.86

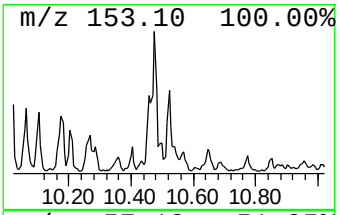
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	49
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	46
3	Undecane, 5-ethyl-	184	C13H28	017453-94-0	43
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	43
5	Tetracosane	338	C24H50	000646-31-1	38

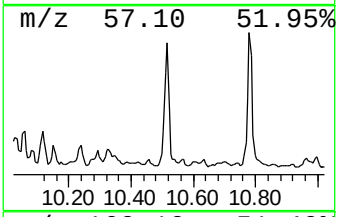


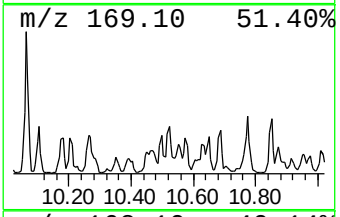


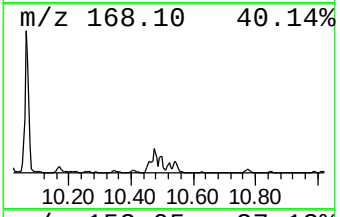


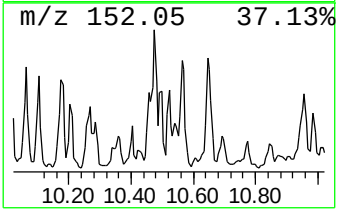












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

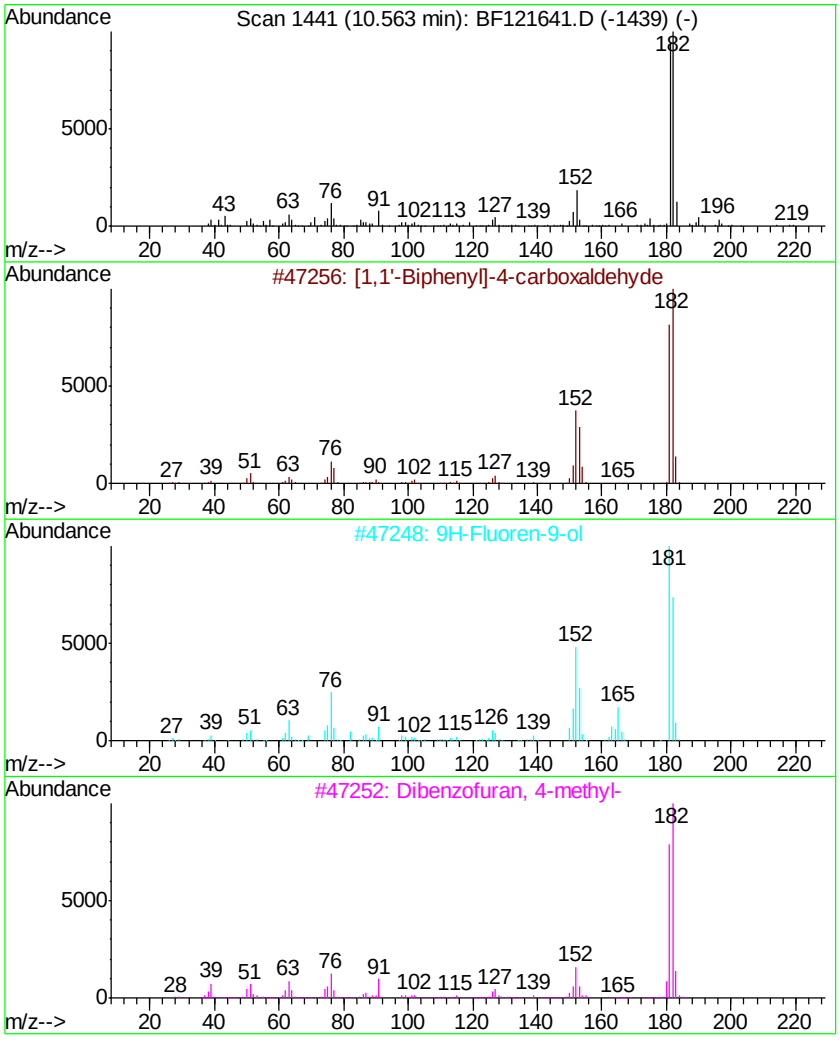
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

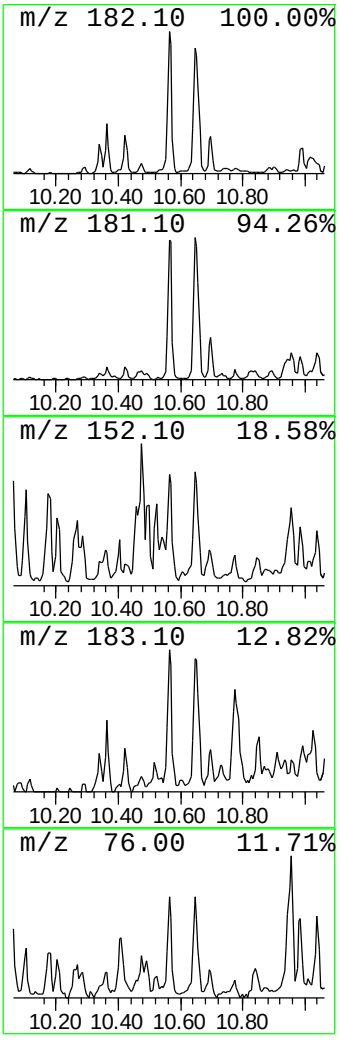
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	3.71 ng	313483	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	56
5	9H-Xanthene	182	C13H10O	000092-83-1	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

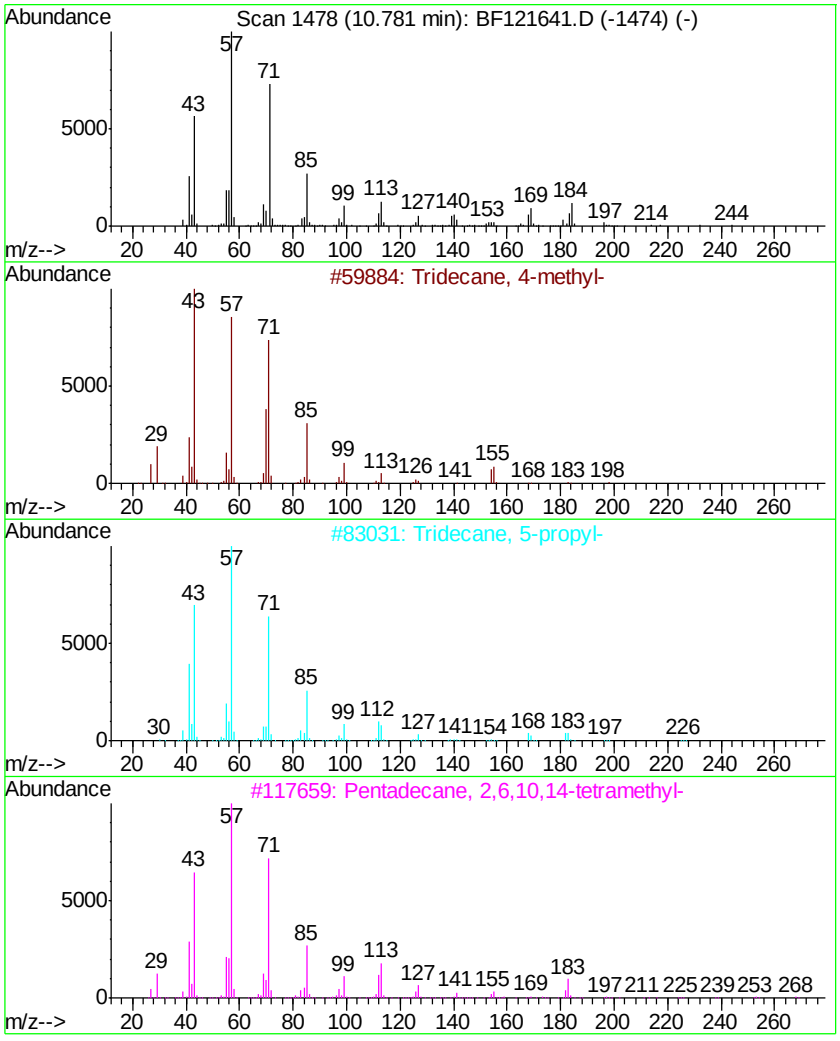
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

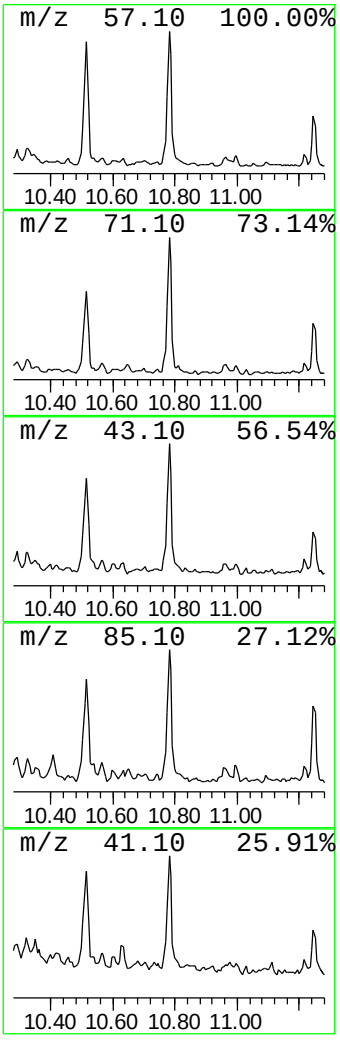
****

Peak Number 10 Tridecane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	6.73 ng	497048	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

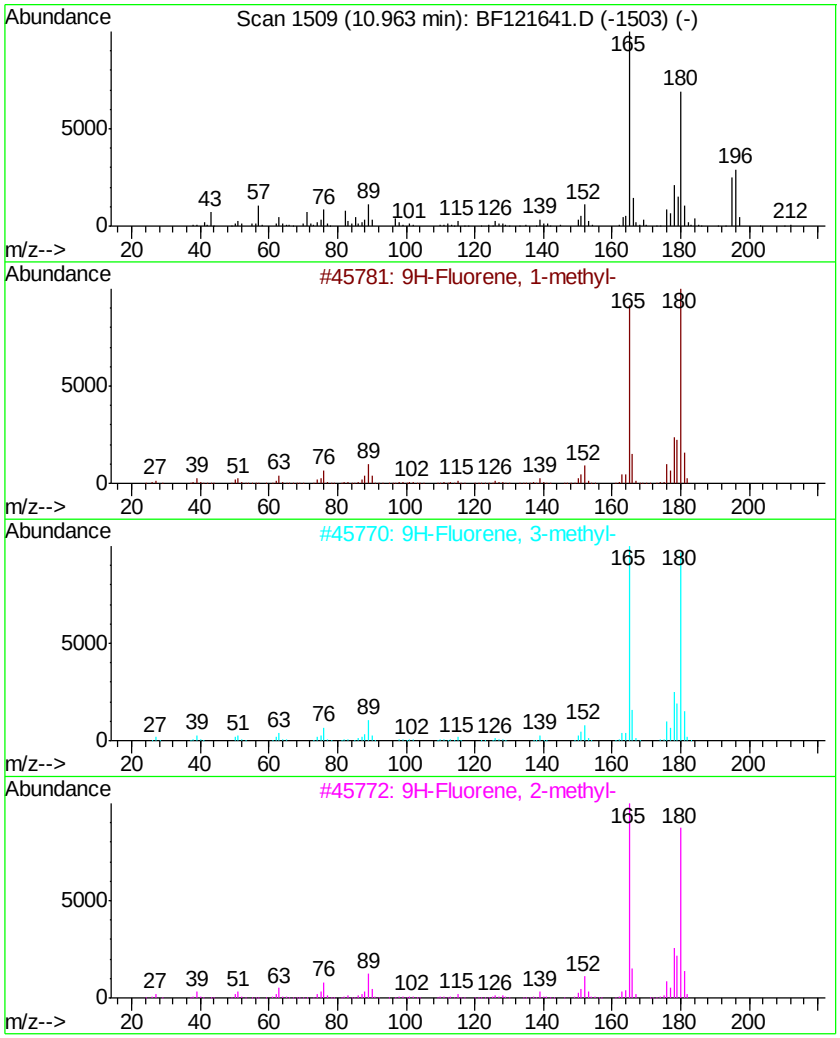
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

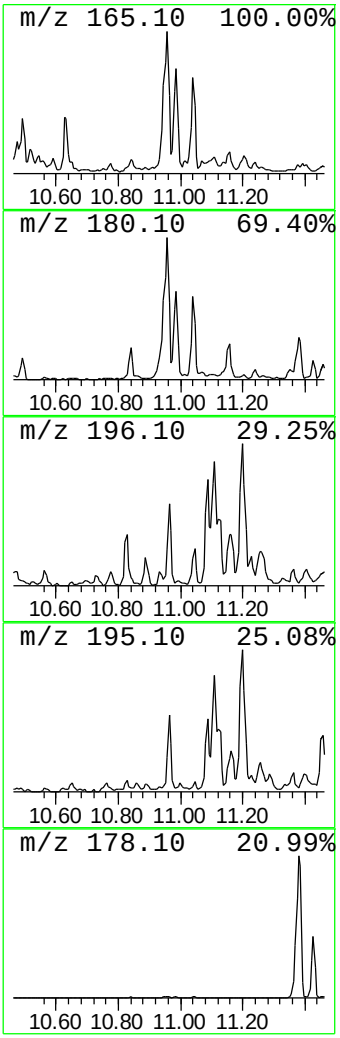
****

Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	6.23 ng	459984	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

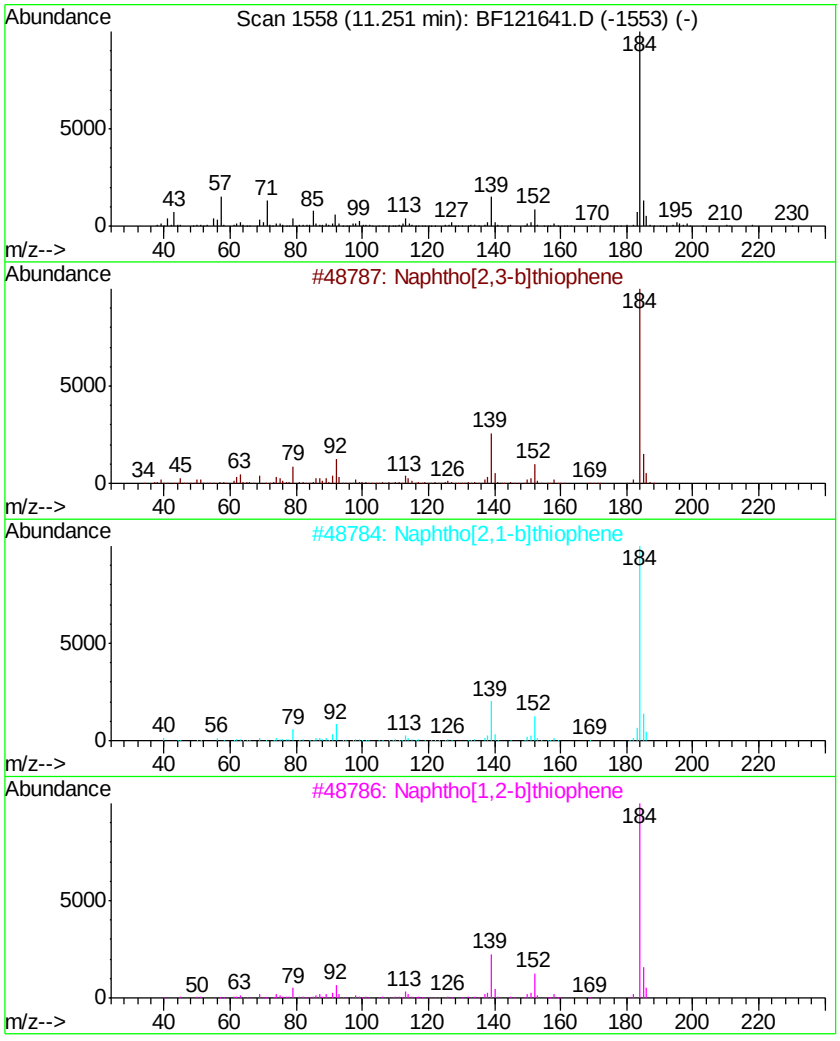
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

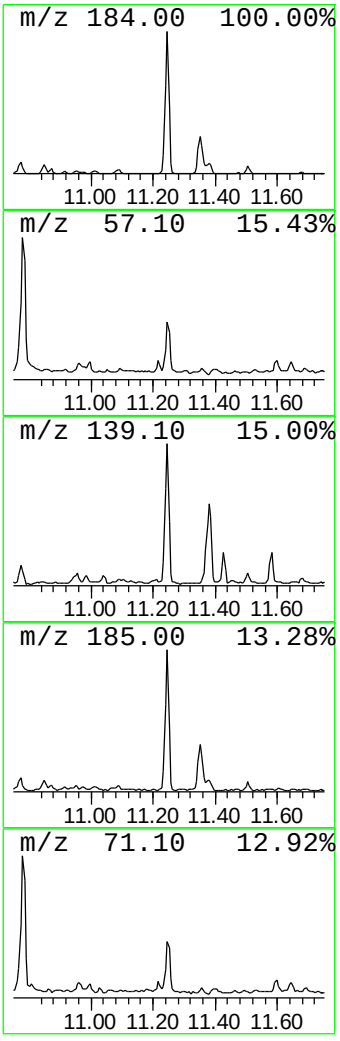
****

Peak Number 12 Naphtho[2,3-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	10.36 ng	764984	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

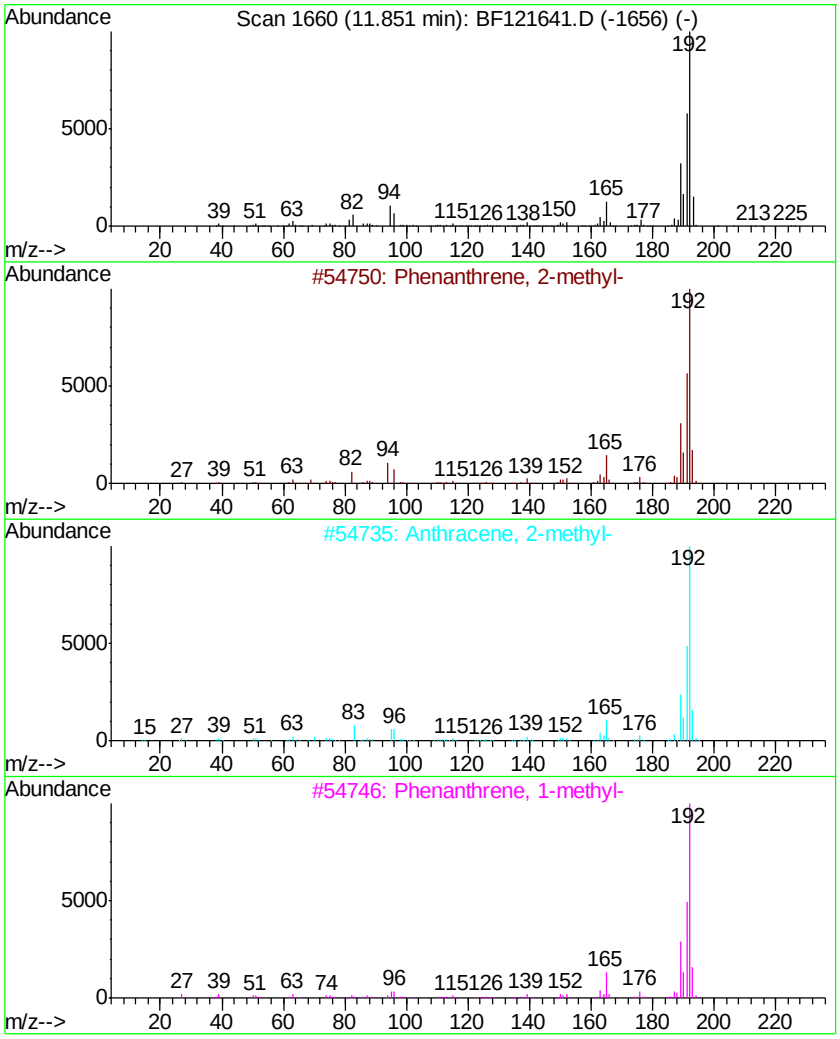
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

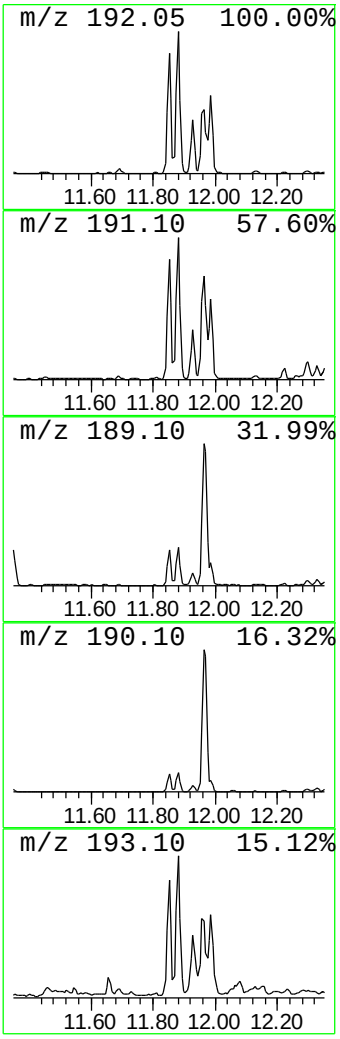
****

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	9.08 ng	670244	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

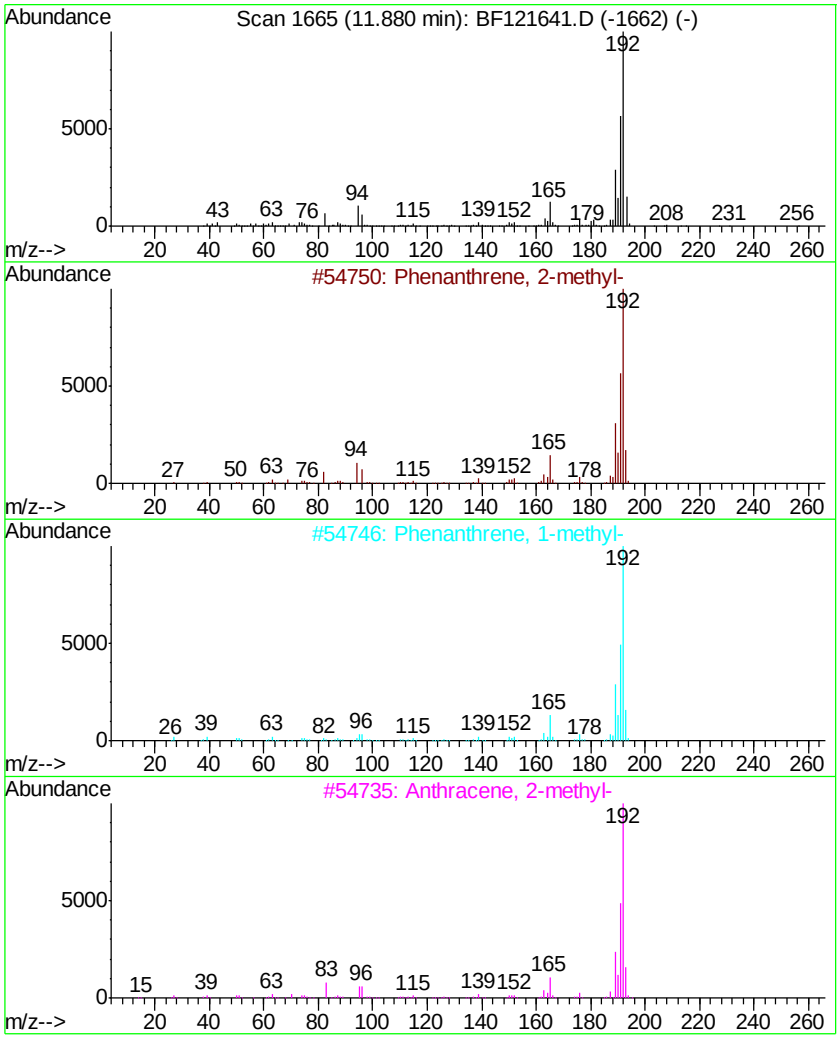
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

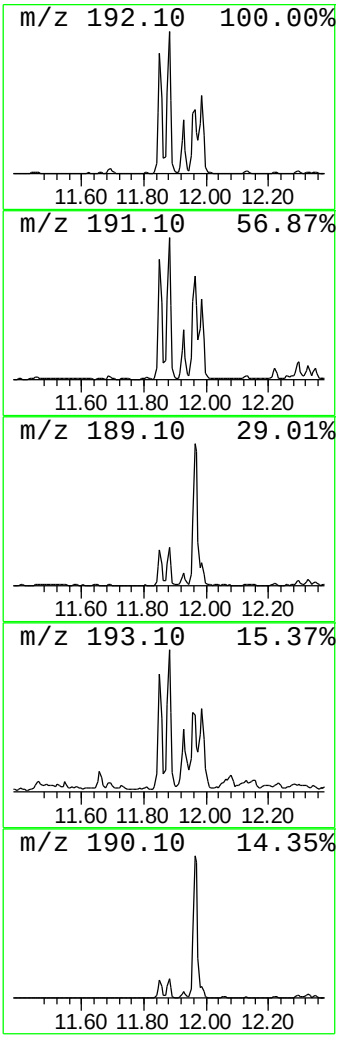
****

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	10.84 ng	800650	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

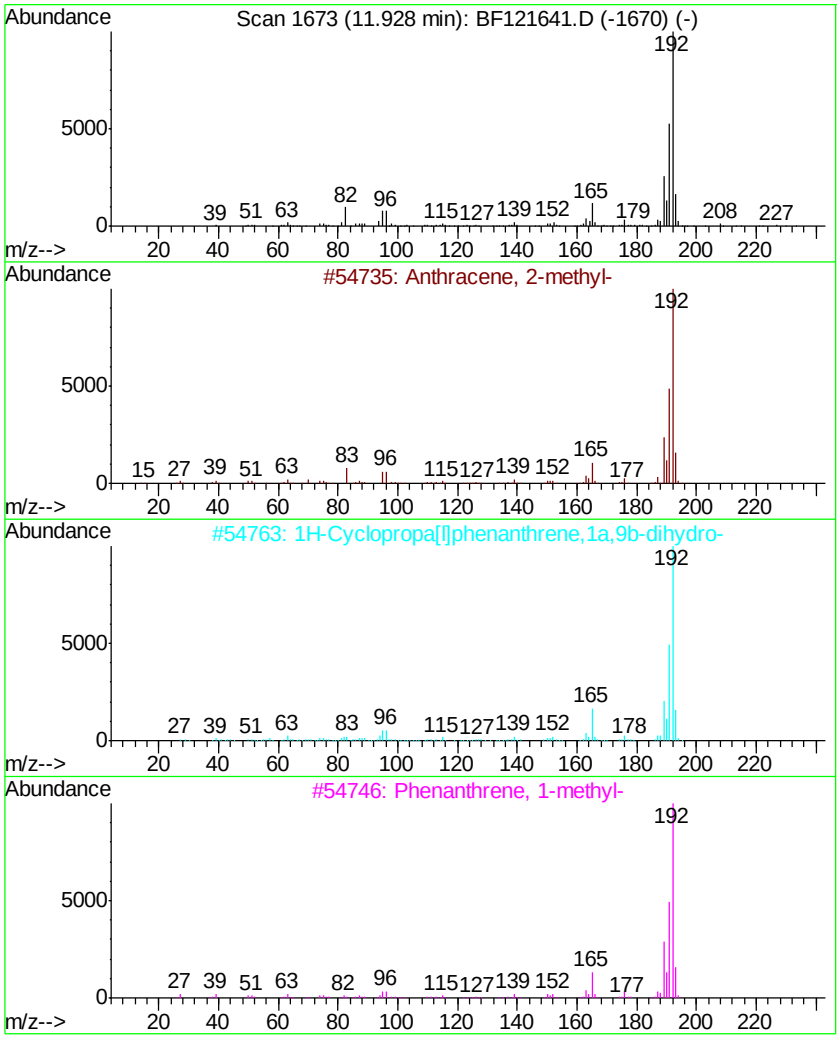
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

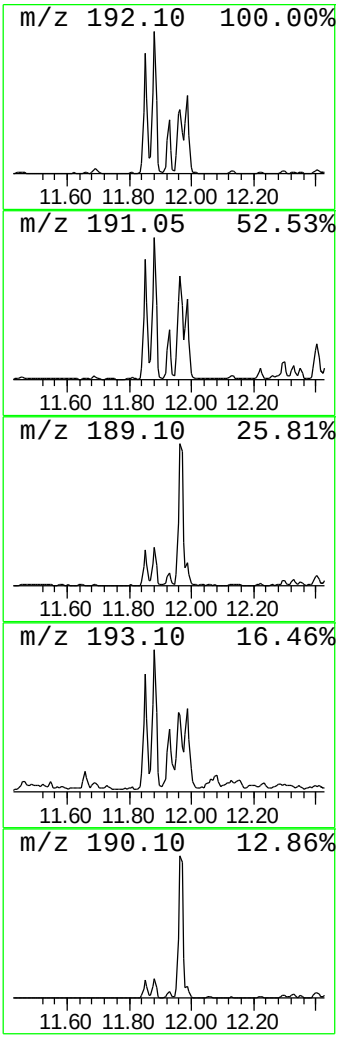
****

Peak Number 15 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.91 ng	288888	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

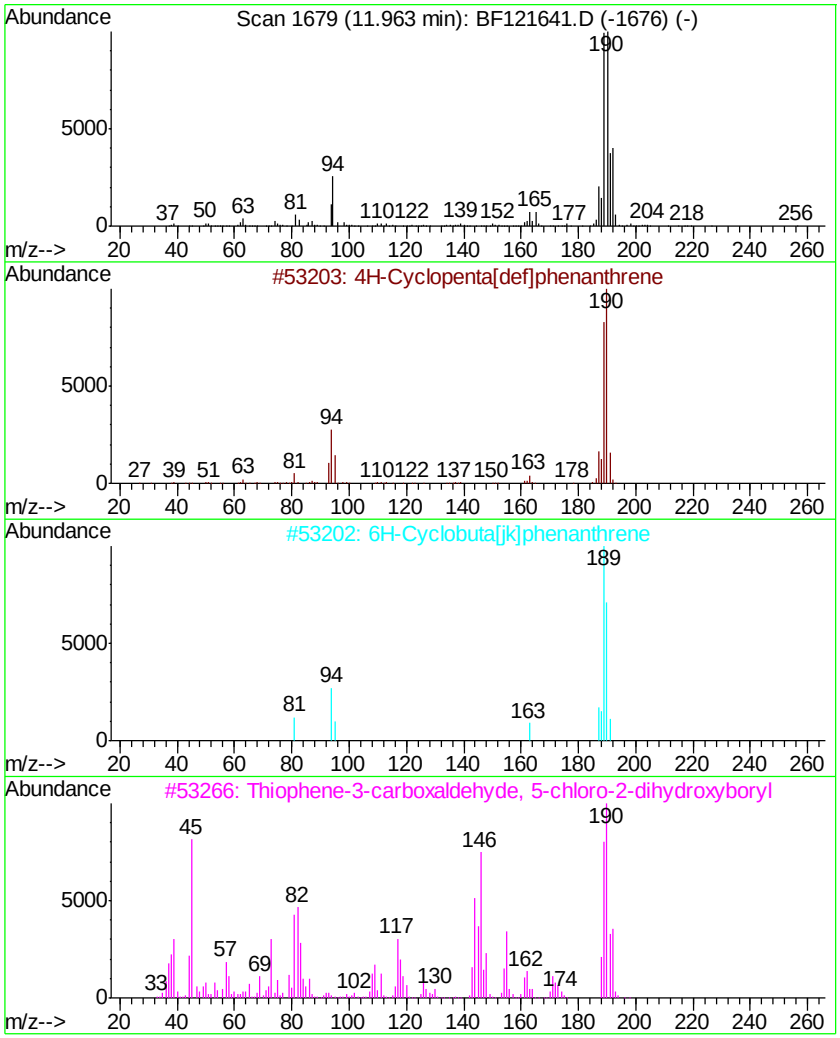
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

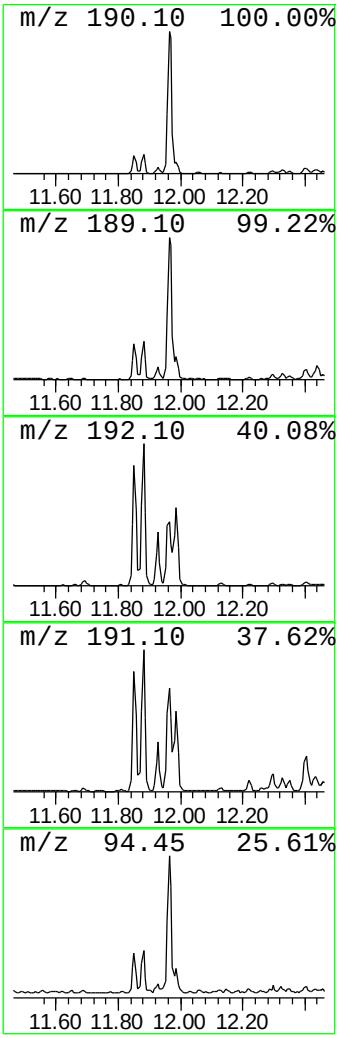
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	21.01 ng	1551470	Phenanthrene-d10	11.35

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	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

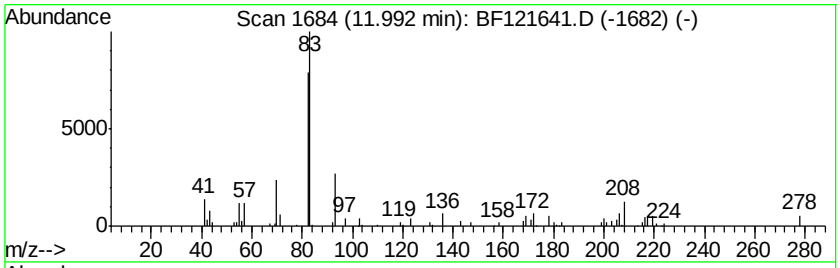
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

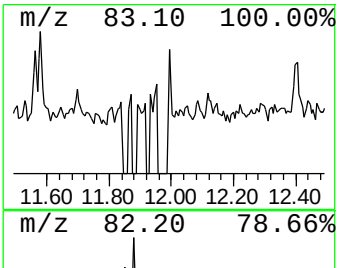
****

Peak Number 17 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.08 ng	301132	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

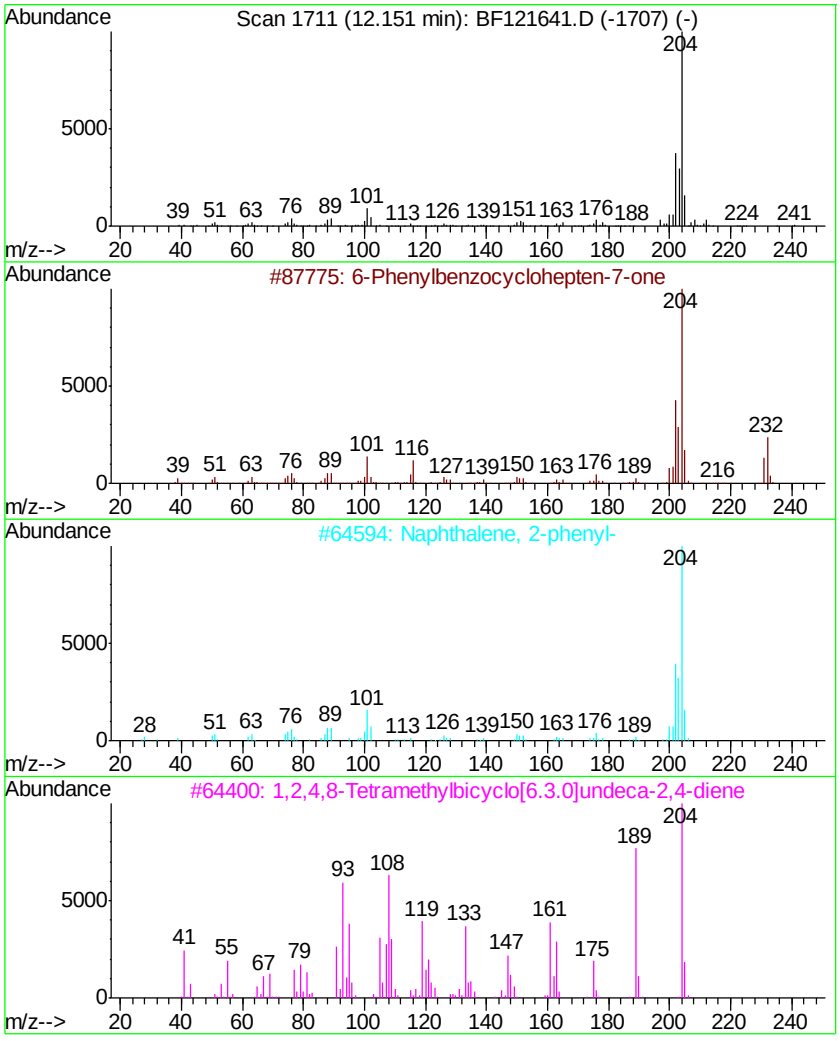
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

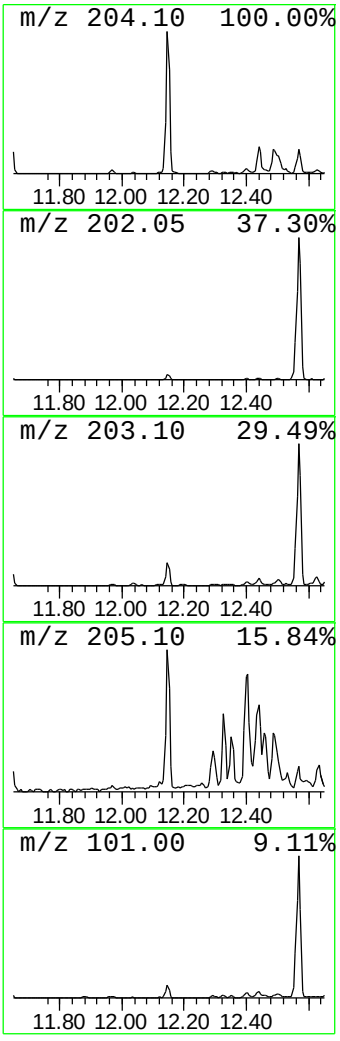
****

Peak Number 18 6-Phenylbenzocyclohepten-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.00 ng	369364	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

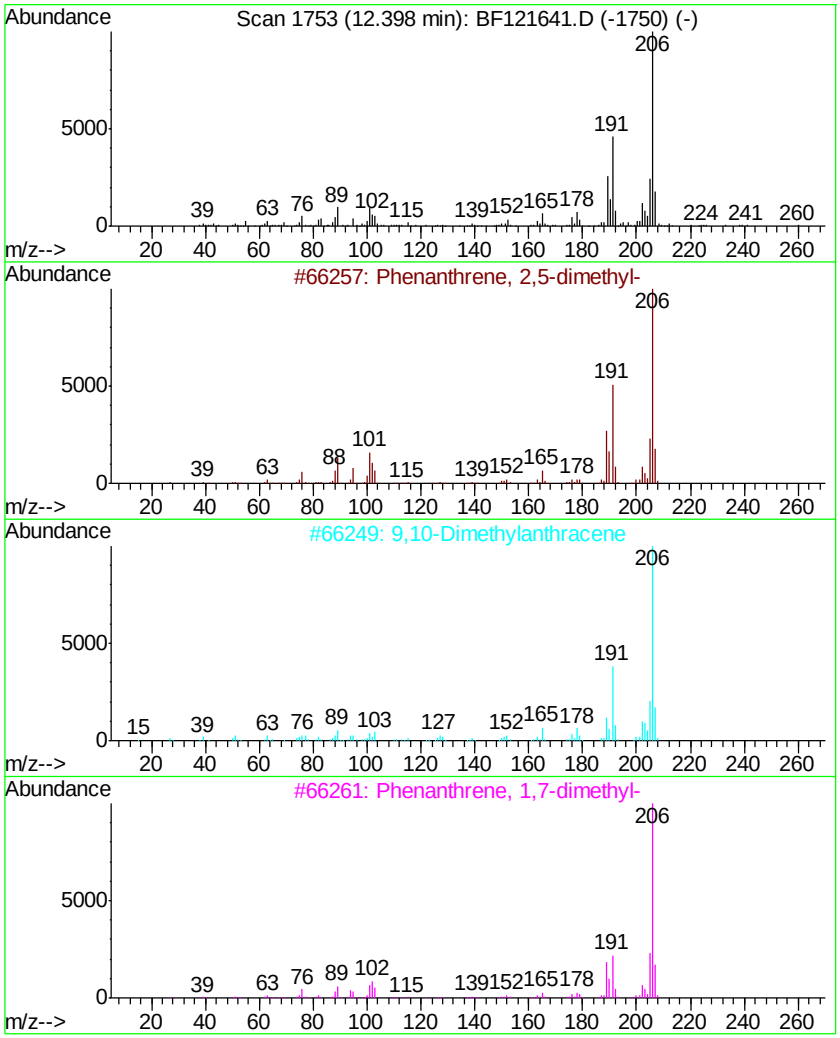
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

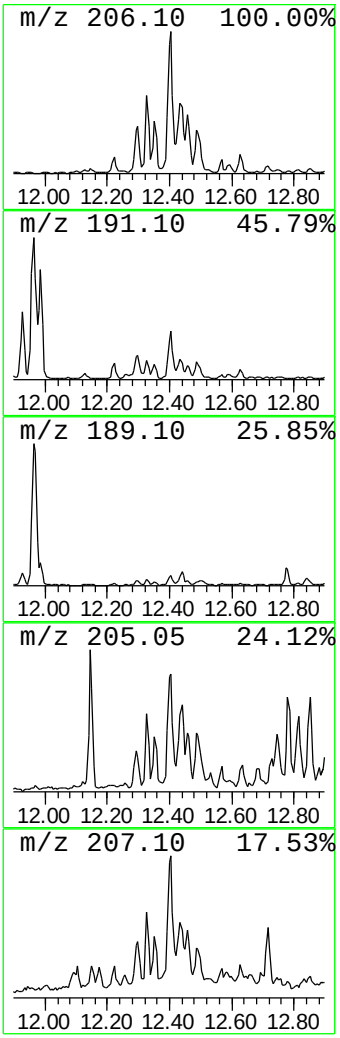
****

Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.07 ng	374760	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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

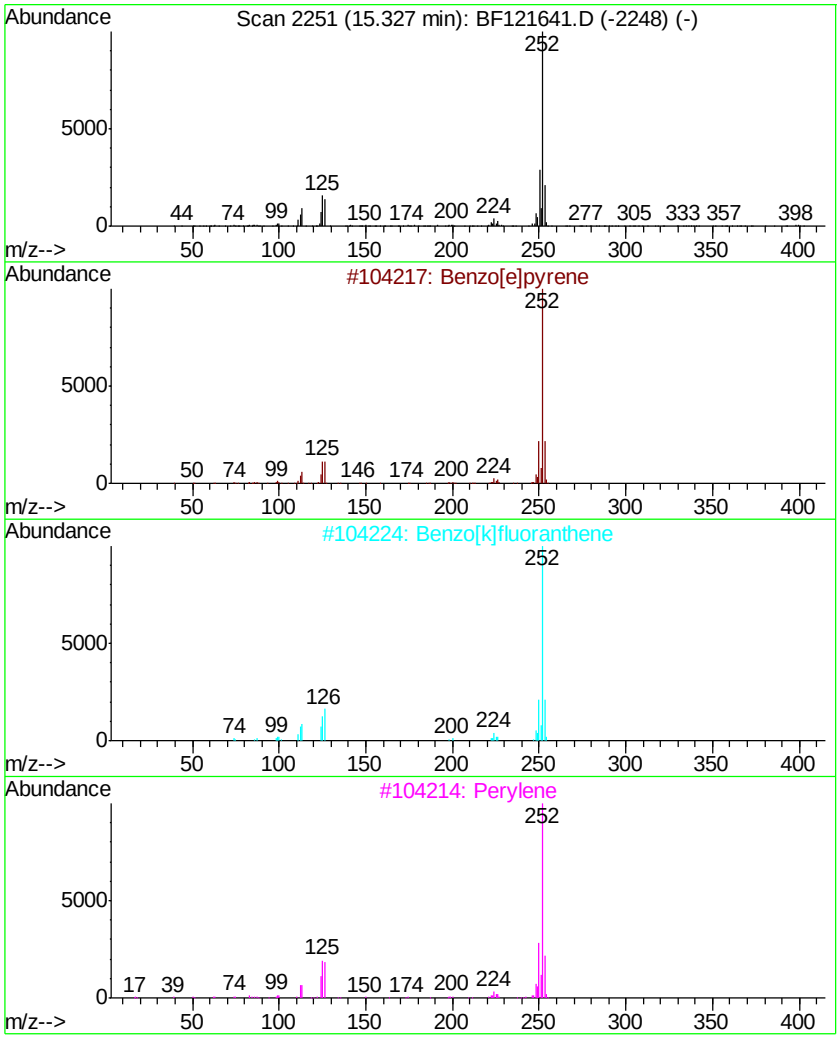
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

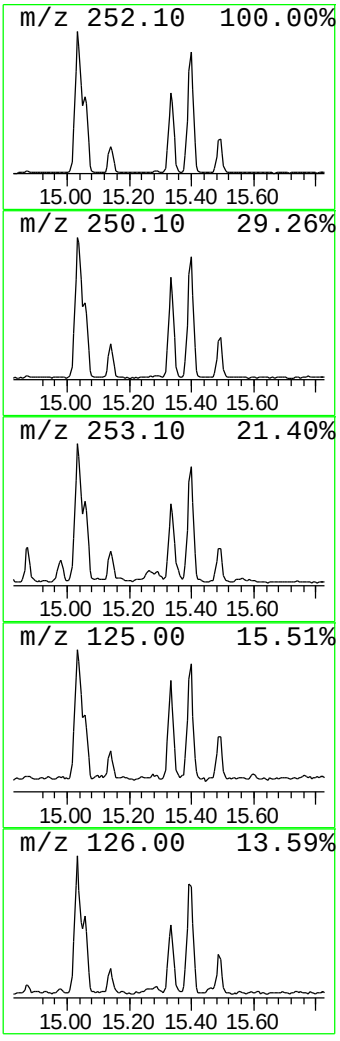
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	11.32 ng	607427	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092120\
Data File : BF121641.D
Acq On : 21 Sep 2020 22:43
Operator : JU/CG
Sample : L3869-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-091820

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
Naphthalene, 2-et...	9.37	4.1	ng	347724	3	9.86	1691350	20.0
Naphthalene, 2,6-...	9.45	10.9	ng	924470	3	9.86	1691350	20.0
Naphthalene, 1,7-...	9.52	13.8	ng	1169990	3	9.86	1691350	20.0
Naphthalene, 2,3-...	9.63	6.9	ng	584352	3	9.86	1691350	20.0
Naphthalene, 2-(1...	9.97	3.9	ng	331424	3	9.86	1691350	20.0
Naphthalene, 2,3,...	10.18	4.1	ng	349581	3	9.86	1691350	20.0
Naphthalene, 1,6,...	10.27	4.0	ng	338179	3	9.86	1691350	20.0
unknown10.52	10.52	4.8	ng	403674	3	9.86	1691350	20.0
[1,1'-Biphenyl]-4...	10.56	3.7	ng	313483	3	9.86	1691350	20.0
Tridecane, 4-methyl-	10.78	6.7	ng	497048	4	11.35	1477070	20.0
9H-Fluorene, 1-me...	10.96	6.2	ng	459984	4	11.35	1477070	20.0
Naphtho[2,3-b]thi...	11.25	10.4	ng	764984	4	11.35	1477070	20.0
Phenanthrene, 2-m...	11.85	9.1	ng	670244	4	11.35	1477070	20.0
Phenanthrene, 1-m...	11.88	10.8	ng	800650	4	11.35	1477070	20.0
Anthracene, 2-met...	11.93	3.9	ng	288888	4	11.35	1477070	20.0
4H-Cyclopenta[def...	11.96	21.0	ng	1551470	4	11.35	1477070	20.0
Anthracene, 1-met...	11.99	4.1	ng	301132	4	11.35	1477070	20.0
6-Phenylbenzocycl...	12.15	5.0	ng	369364	4	11.35	1477070	20.0
Phenanthrene, 2,5...	12.40	5.1	ng	374760	4	11.35	1477070	20.0
Benzo[e]pyrene	15.33	11.3	ng	607427	6	15.46	1073600	20.0