LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(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	5.416	562	566	584	rVB	2602225	2355086	15.40%	1.330%
2	6.434	734	739	752	rBV	2653150	2572787	16.82%	1.453%
3	6.792	797	800	808	rBV	1093984	983262	6.43%	0.555%
4	7.357	891	896	899	rBV	1884375	1778191	11.62%	1.004%
5	8.081	1013	1019	1021	rBV	1370819	1372750	8.97%	0.775%
6	8.098	1021	1022	1027	rVB	872304	565570	3.70%	0.319%
7	8.792	1136	1140	1143	rBV	604235	522910	3.42%	0.295%
8	8.886	1152	1156	1160	rVB	606770	494690	3.23%	0.279%
9	9.151	1196	1201	1205	rBV	3462670	3200877	20.93%	1.807%
10	9.410	1241	1245	1250	rBV	431186	604398	3.95%	0.341%
11	9.486	1254	1258	1261	rVV	698793	733065	4.79%	0.414%
12	9.516	1261	1263	1266	rVV	524386	406842	2.66%	0.230%
13	9.545	1266	1268	1272	rVV	361551	315159	2.06%	0.178%
14	9.604	1274	1278	1284	rVV	372499	451104	2.95%	0.255%
15	9.692	1287	1293	1297	rVB	415592	391262	2.56%	0.221%
16	9.833	1310	1317	1319	rBV2	1431492	1554631	10.16%	0.878%
17	9.863	1319	1322	1325	rVV	2338466	2099241	13.72%	1.185%
18	10.033	1347	1351	1355	rVV	2038700	1844982	12.06%	1.042%
19	10.380	1405	1410	1413	rVV	2949022	2620923	17.13%	1.480%
20	10.463	1422	1424	1426	rVV	485514	392448	2.57%	0.222%
21	10.533	1434	1436	1440	rVV	1031246	858224	5.61%	0.485%
22	10.622	1440	1451	1454	rVV	2318448	2656000	17.36%	1.500%
23	10.745	1466	1472	1478	rVB4	308206	436449	2.85%	0.246%
24	10.927	1496	1503	1505	rBV3	619385	852758	5.57%	0.482%
25	11.051	1519	1524	1526	rBV2	419133	540878	3.54%	0.305%
26	11.074	1526	1528	1530	rVV	541709	509798	3.33%	0.288%
27	11.127	1533	1537	1540	rVV	1329272	1323627	8.65%	0.747%
28	11.169	1540	1544	1549	rVV3	485742	788495	5.15%	0.445%
29	11.216	1549	1552	1558	rVB	1371570	1320040	8.63%	0.745%
30	11.369	1564	1578	1580	rBV	7814682	15296899	100.00%	8.638%
31	11.410	1580	1585	1587	rVV	5250152	5664710	37.03%	3.199%
32	11.427	1587	1588	1591	rVV	475685	343032	2.24%	0.194%
33	11.551	1602	1609	1611	rVV2	1838667	1905536	12.46%	1.076%
34	11.610	1617	1619	1623	rVV2	601641	583992	3.82%	0.330%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(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	11.651	1623	1626	1630	rVV3	475592	543810	3.56%	0.307%
36	11.821	1649	1655	1657	rVV	2013541	1885184	12.32%	1.064%
37	11.851	1657	1660	1663	rVV	2762866	2334663	15.26%	1.318%
38	11.898	1663	1668	1671	rVV	1204735	1093938	7.15%	0.618%
39	11.933	1671	1674	1676	rVV	2791008	3001177	19.62%	1.695%
40	11.957	1676	1678	1682	rVB	1308594	986728	6.45%	0.557%
41	12.116	1702	1705	1707	rVV	1540335	1319514	8.63%	0.745%
42	12.145	1707	1710	1713	rVV	1076322	876443	5.73%	0.495%
43	12.263	1725	1730	1733	rBV	416386	483444	3.16%	0.273%
44	12.292	1733	1735	1737	rVV	426017	344161	2.25%	0.194%
45	12.368	1744	1748	1751	rBV	772828	860525	5.63%	0.486%
46	12.410	1751	1755	1757	rVV2	564969	744019	4.86%	0.420%
47	12.469	1760	1765	1770	rVB2	840827	1052677	6.88%	0.594%
48	12.557	1771	1780	1782	rBV	7702126	12704654	83.05%	7.174%
49	12.680	1795	1801	1804	rBV2	750675	913351	5.97%	0.516%
50	12.780	1811	1818	1821	rBV3	6931715	12073361	78.93%	6.817%
51	12.810	1821	1823	1828	rVB2	727310	669391	4.38%	0.378%
52	12.880	1831	1835	1836	rBV	948917	876681	5.73%	0.495%
53	12.904	1836	1839	1845	rVB2	2701088	3180454	20.79%	1.796%
54	12.980	1846	1852	1855	rBV3	829294	1482656	9.69%	0.837%
55	13.063	1863	1866	1868	rBV4	701161	781566	5.11%	0.441%
56	13.092	1868	1871	1873	rVB	1603157	1507432	9.85%	0.851%
57	13.157	1879	1882	1884	rVB	1025720	877402	5.74%	0.495%
58	13.192	1884	1888	1891	rBV2	1131670	1301971	8.51%	0.735%
59	13.286	1900	1904	1906	rBV	479615	457040	2.99%	0.258%
60	13.316	1906	1909	1912	rBV2	560749	574109	3.75%	0.324%
61	13.474	1931	1936	1940	rBV5	295580	641272	4.19%	0.362%
62	13.598	1954	1957	1961	rVV	1297927	1279641	8.37%	0.723%
63	13.704	1971	1975	1978	rVV	1367238	1473067	9.63%	0.832%
64	13.733	1978	1980	1982	rVV	1144234	1020869	6.67%	0.576%
65	13.757	1982	1984	1989	rVV2	915693	1491874	9.75%	0.842%
66	13.810	1989	1993	1999	rVV	1487250	1835022	12.00%	1.036%
67	13.874	1999	2004	2007	rVV	329581	456508	2.98%	0.258%
68	13.963	2010	2019	2021	rVV2	4938199	8260565	54.00%	4.664%
69	13.998	2021	2025	2030	rVV	5010211	5828776	38.10%	3.291%
70	14.068	2034	2037	2041	rVV	1183137	1184993	7.75%	0.669%
71	14.104	2041	2043	2044	rVV	373024	336873	2.20%	0.190%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(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	14.151	2048	2051	2053	rVV	807181	866460	5.66%	0.489%
73	14.186	2053	2057	2059	rVV2	794495	1091901	7.14%	0.617%
74	14.215	2059	2062	2064	rVV	364773	377148	2.47%	0.213%
75	14.304	2074	2077	2079	rVV2	450444	578491	3.78%	0.327%
76	14.345	2080	2084	2086	rVV	1313808	1427072	9.33%	0.806%
77	14.374	2086	2089	2093	rVV2	699556	840713	5.50%	0.475%
78	14.439	2093	2100	2102	rVV4	551910	1030945	6.74%	0.582%
79	14.468	2102	2105	2107	rVV	732114	767468	5.02%	0.433%
80	14.486	2107	2108	2112	rVV2	594157	587381	3.84%	0.332%
81	14.533	2112	2116	2122	rVB4	397333	676725	4.42%	0.382%
82	14.651	2133	2136	2138	rBV	427566	440917	2.88%	0.249%
83	14.727	2146	2149	2159	rVB6	298233	686233	4.49%	0.387%
84	14.827	2163	2166	2171	rVV2	492535	649628	4.25%	0.367%
85	15.009	2189	2197	2199	rBV	3950340	7551530	49.37%	4.264%
86	15.098	2209	2212	2216	rVB	1049897	1084117	7.09%	0.612%
87	15.180	2223	2226	2228	rBV3	286632	401877	2.63%	0.227%
88	15.298	2240	2246	2252	rVB	2308572	3582658	23.42%	2.023%
89	15.368	2252	2258	2261	rVB	3623330	5060586	33.08%	2.858%
90	15.415	2261	2266	2268	rBV	765382	986353	6.45%	0.557%
91	15.451	2268	2272	2277	rVB2	1536114	2007442	13.12%	1.134%
92	15.621	2297	2301	2307	rVB4	284979	586097	3.83%	0.331%
93	15.957	2354	2358	2362	rVB	241607	324144	2.12%	0.183%
94	16.656	2471	2477	2480	rBV3	278152	580956	3.80%	0.328%
95	16.862	2503	2512	2517	rVB	1781512	3914961	25.59%	2.211%
96	16.915	2518	2521	2528	rVB	208963	339089	2.22%	0.191%
97	17.015	2531	2538	2542	rBV	486610	959415	6.27%	0.542%
98	17.068	2542	2547	2552	rBV2	342986	609440	3.98%	0.344%
99	17.298	2576	2586	2596	rVB	1247410	2989267	19.54%	1.688%
100	17.509	2616	2622	2635	rVB2	404181	1022844	6.69%	0.578%

Sum of corrected areas: 177098285

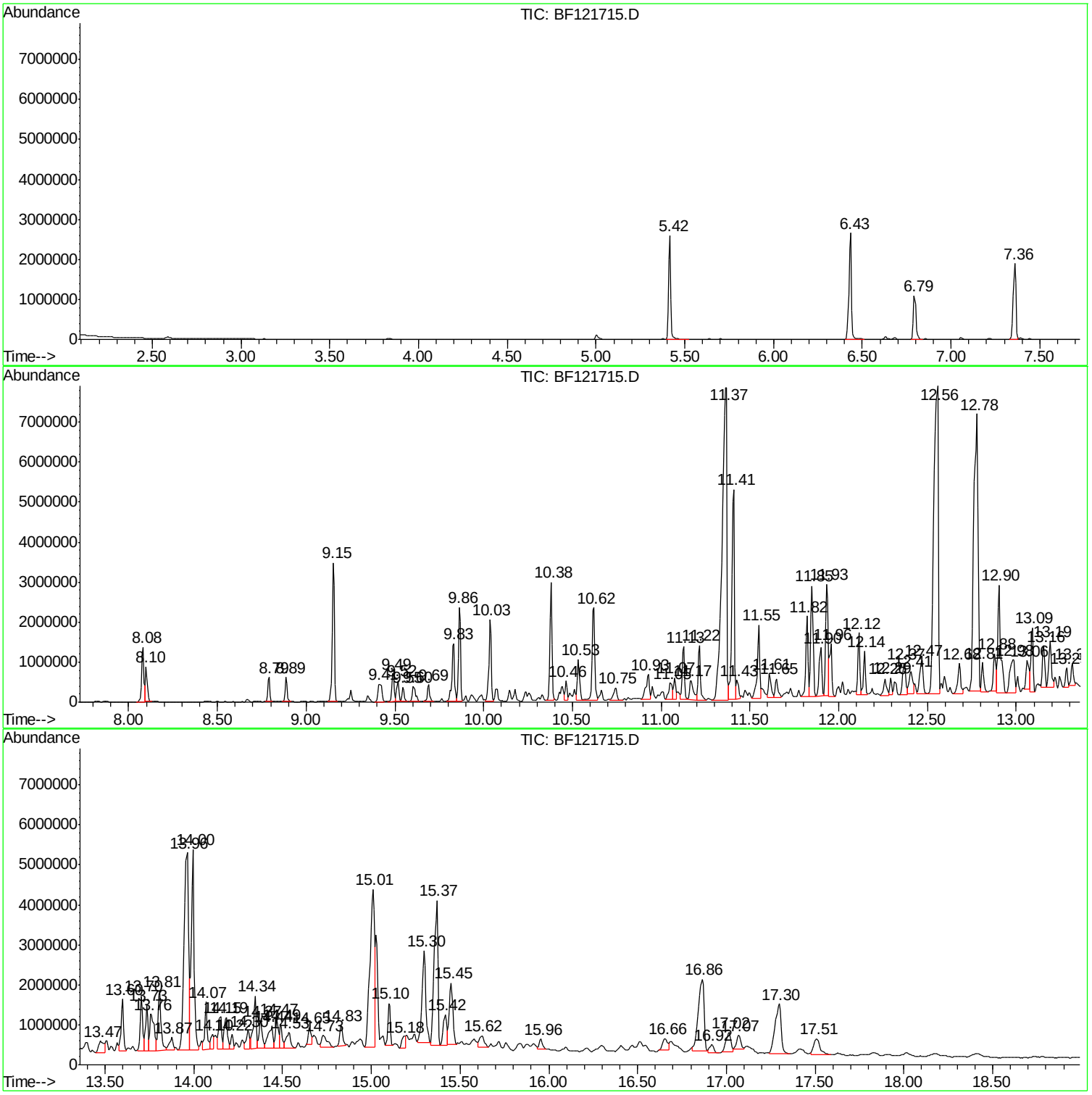
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(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\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

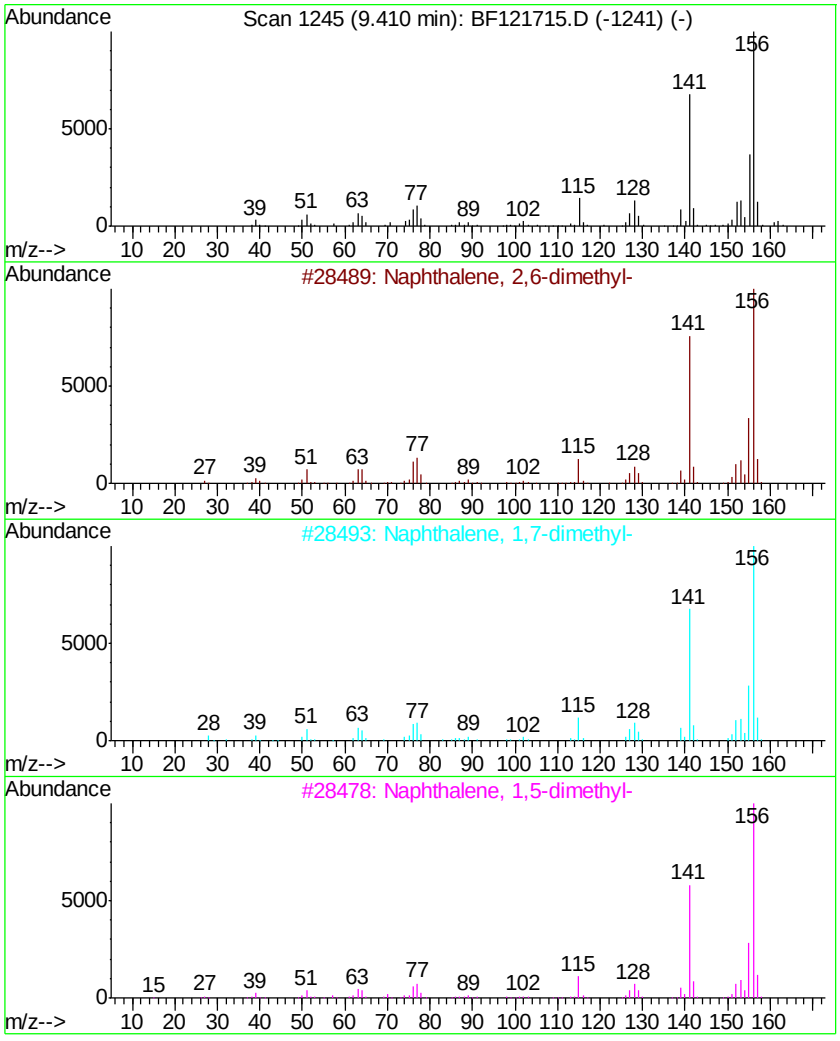
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

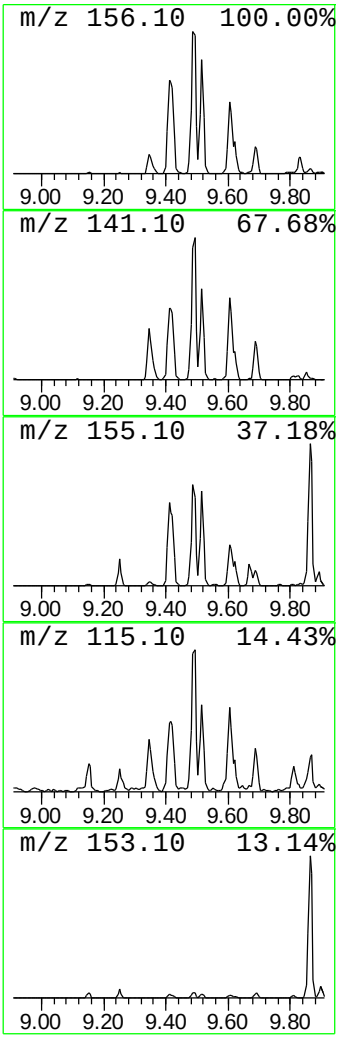
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	7.78 ng	604398	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

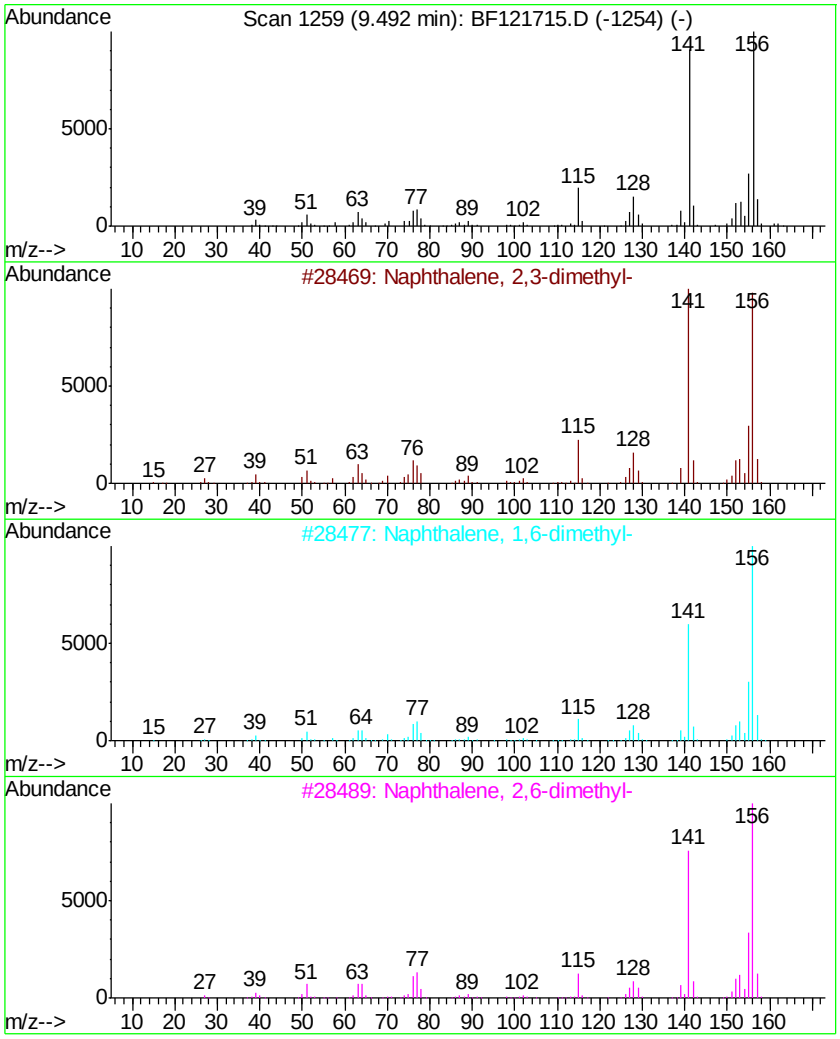
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

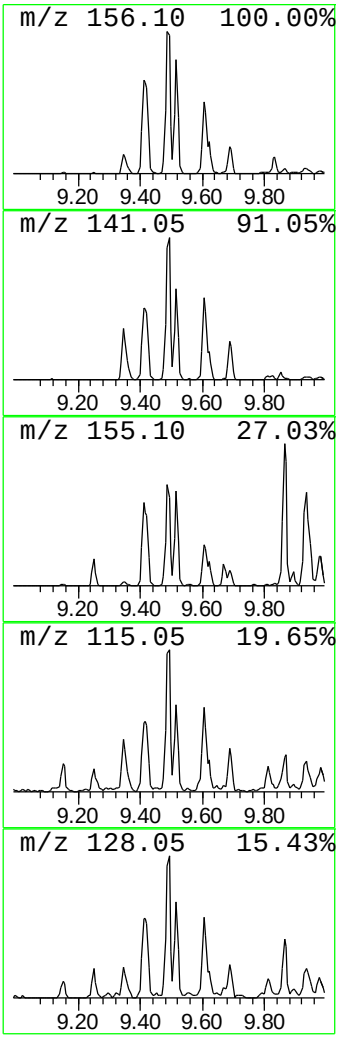
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	9.43 ng	733065	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

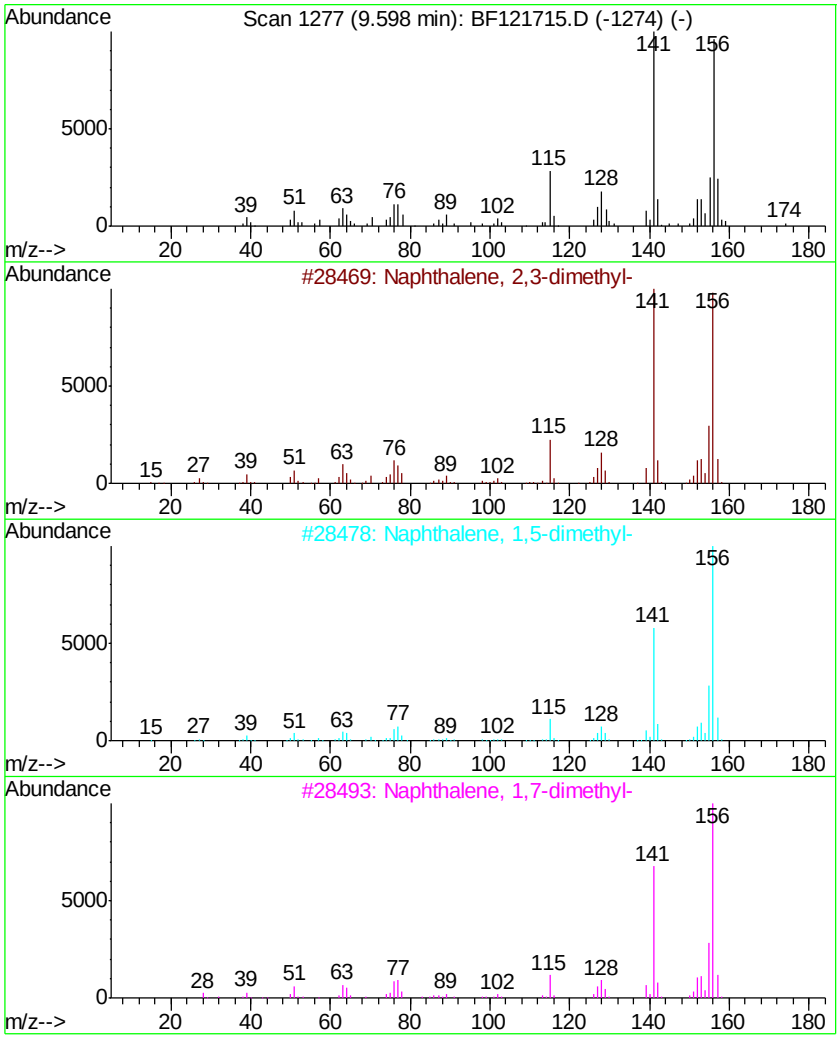
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

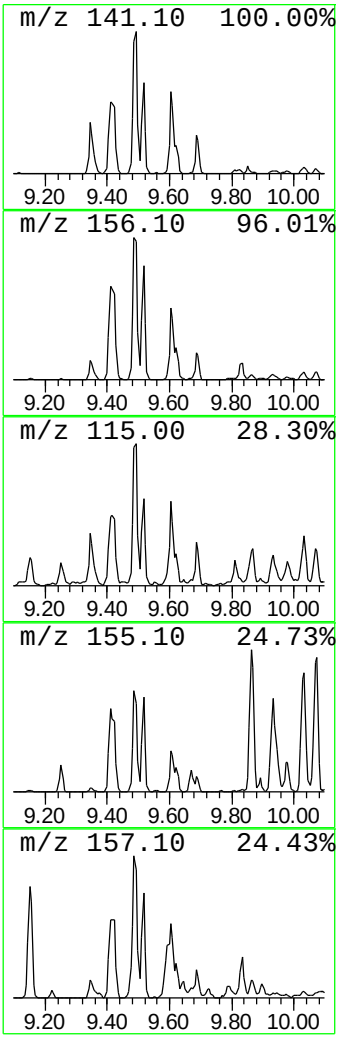
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	5.80 ng	451104	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

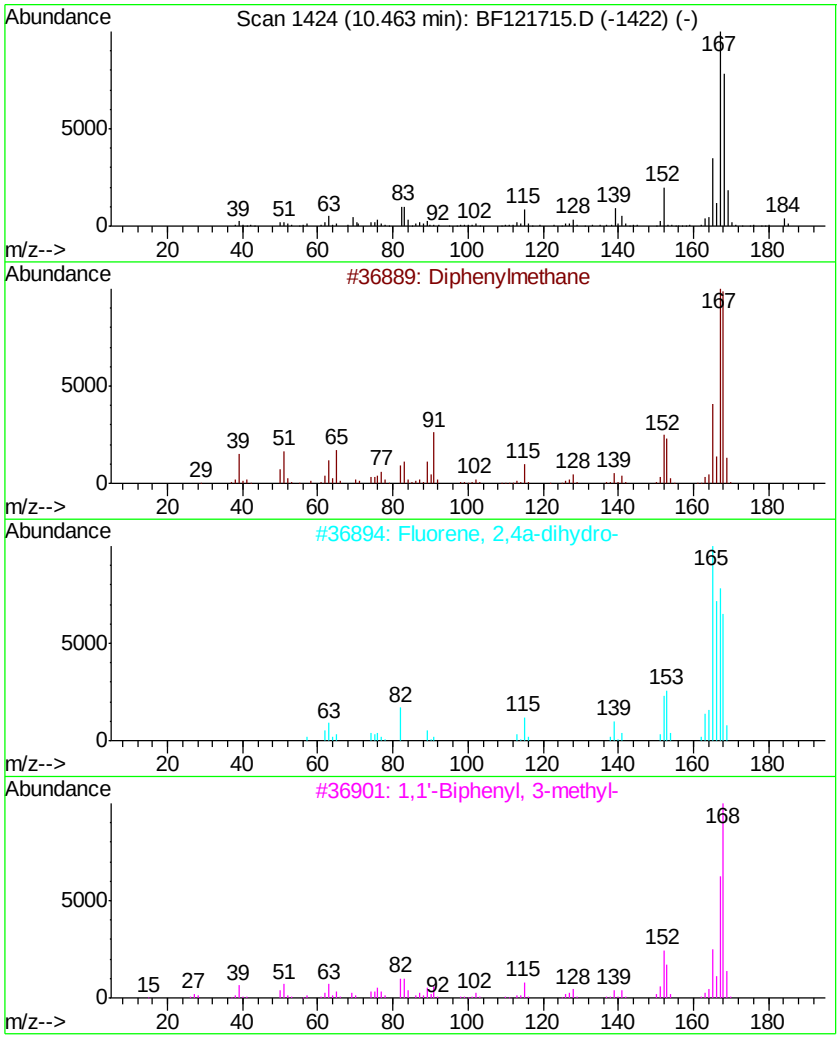
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

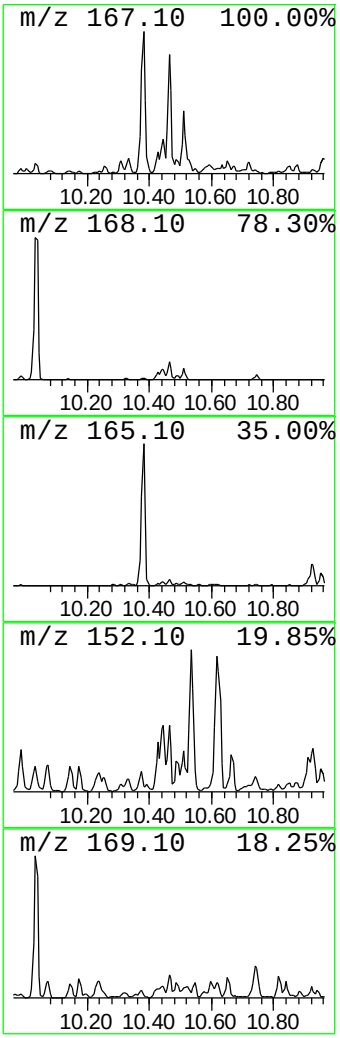
****

Peak Number 4 Diphenylmethane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	5.05 ng	392448	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

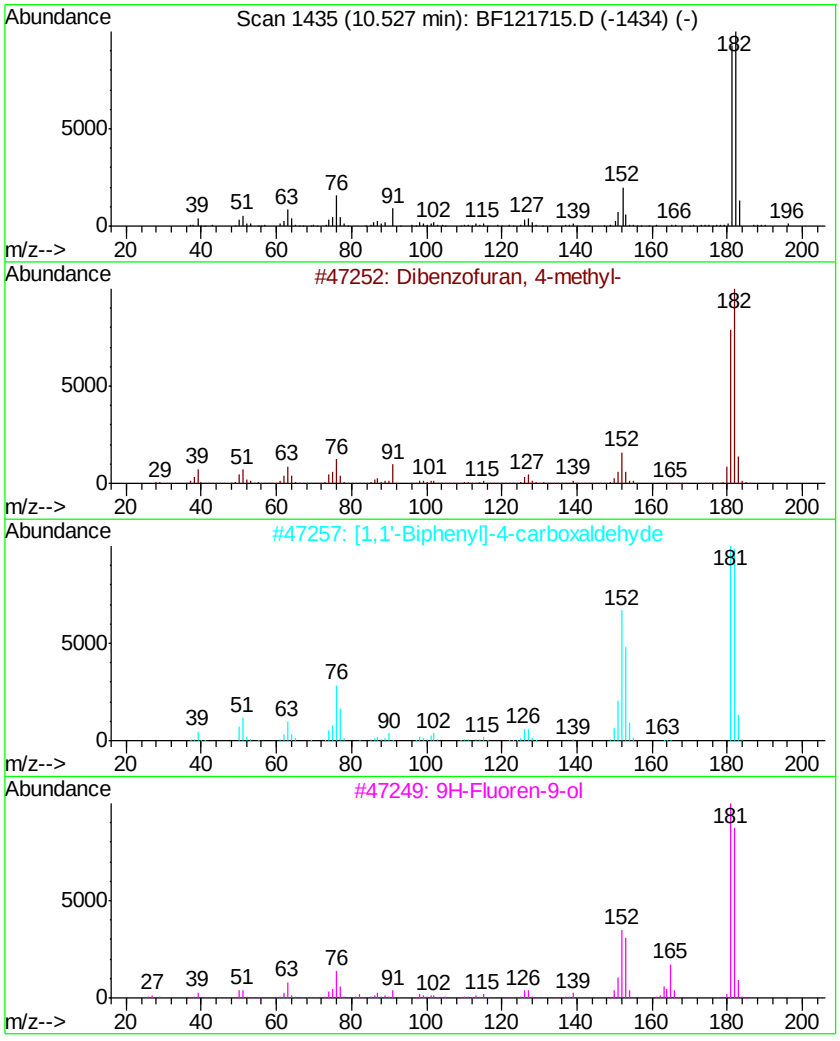
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

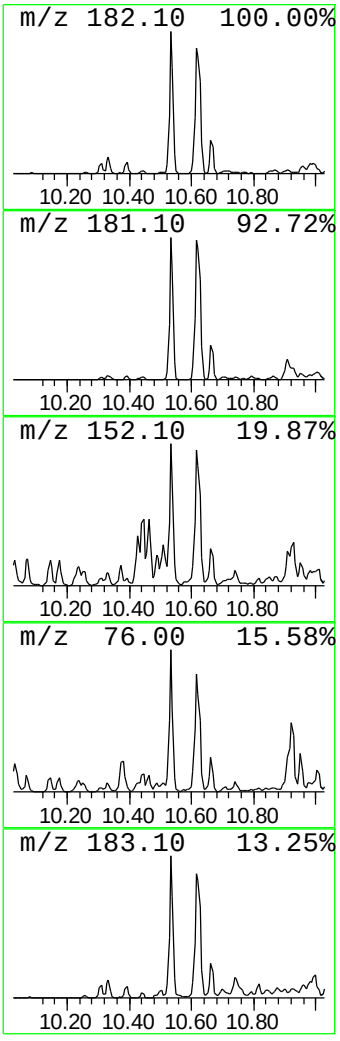
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	11.04 ng	858224	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64
5	9H-Xanthene	182	C13H10O	000092-83-1	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

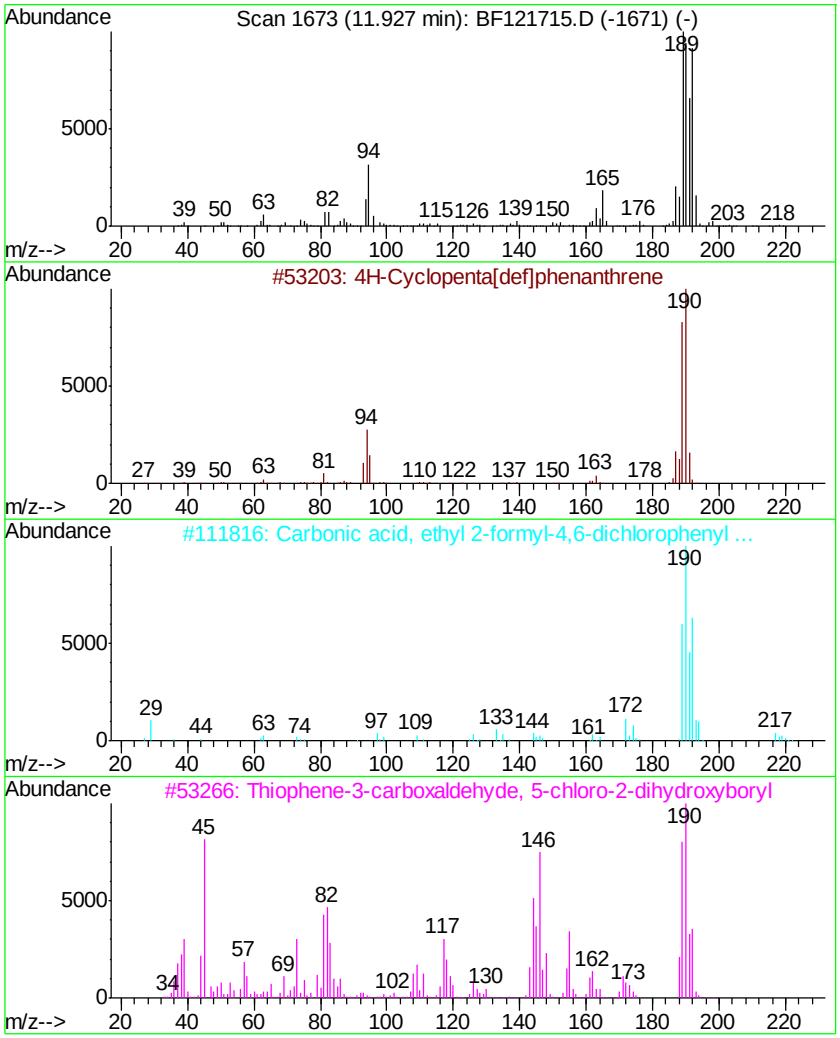
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

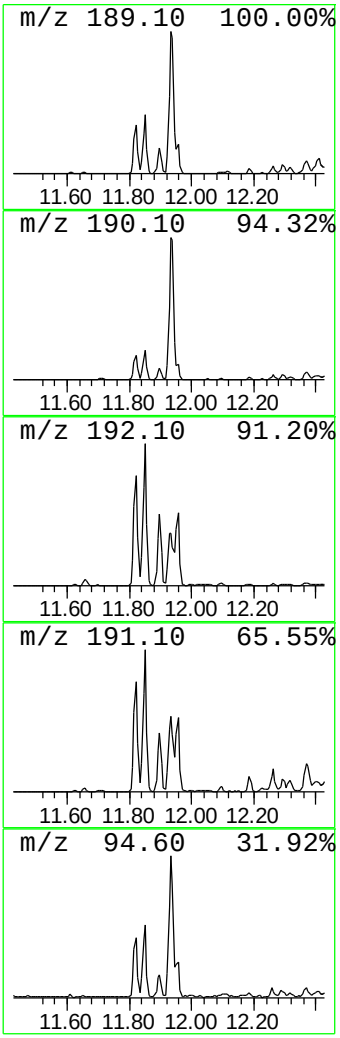
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.92 ng	3001180	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	32
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

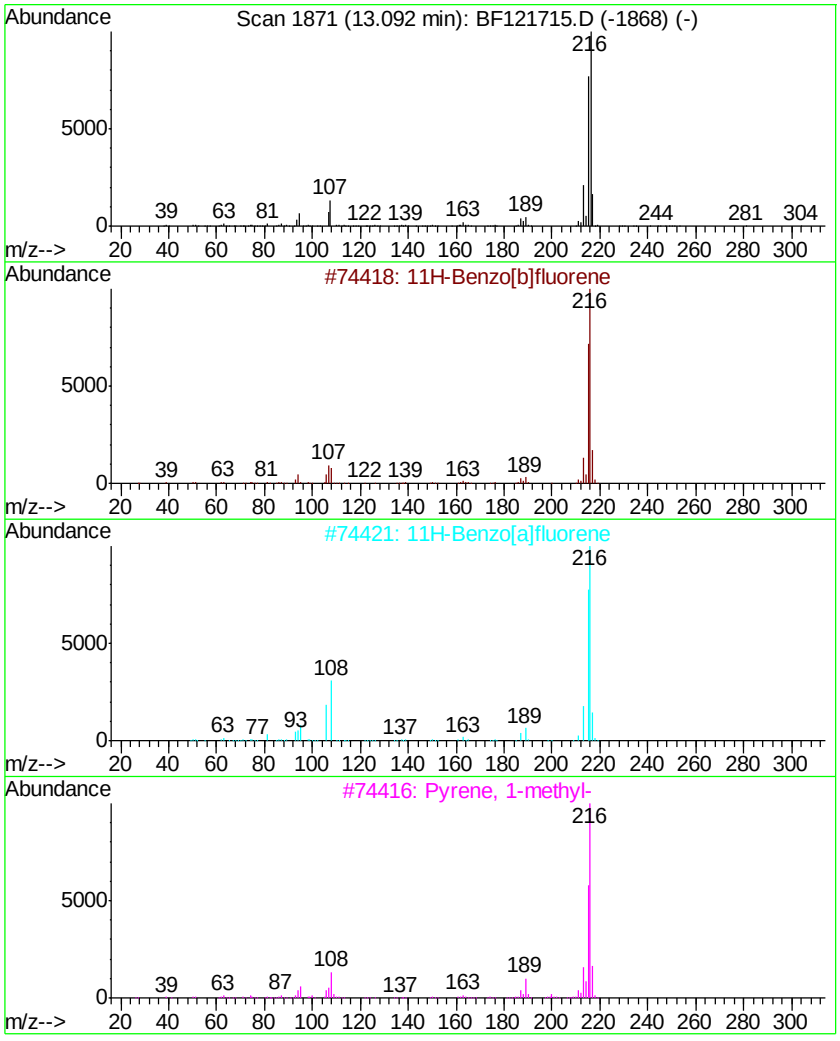
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

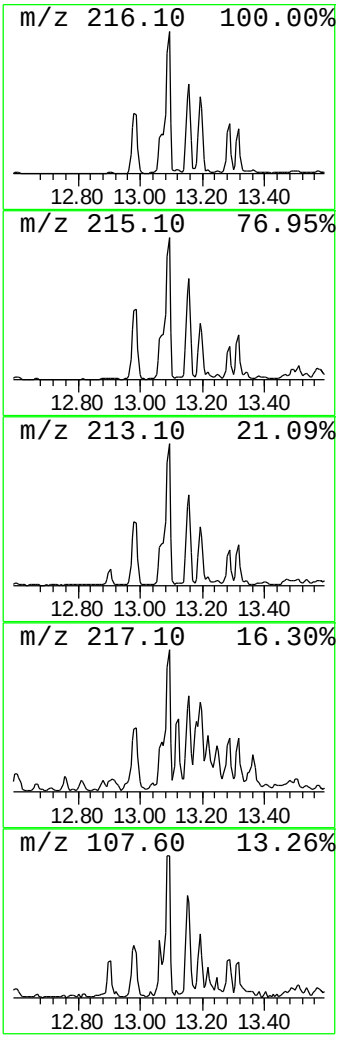
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.65 ng	1507430	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

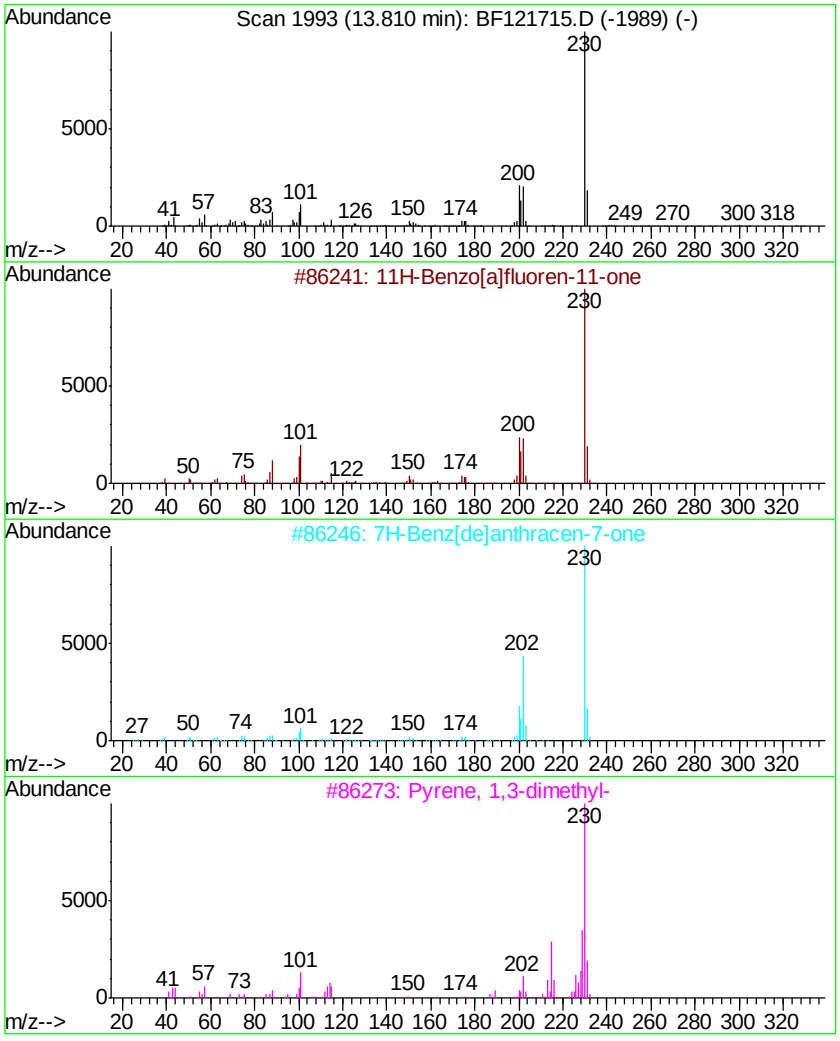
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

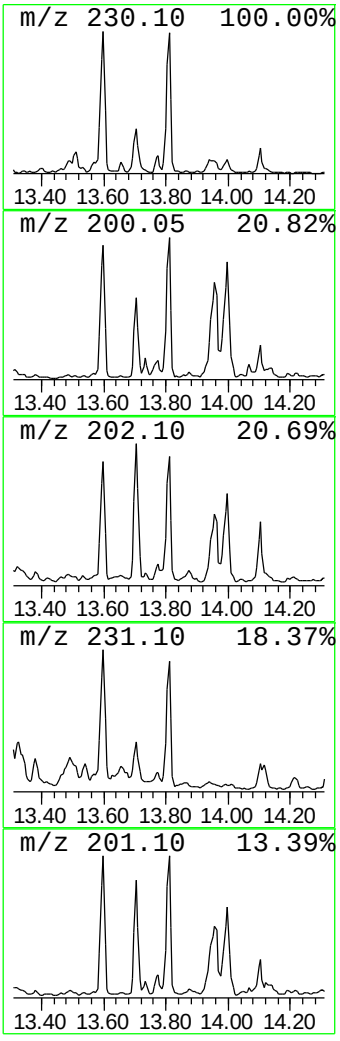
****

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	4.44 ng	1835020	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	o-Terphenyl	230	C18H14	000084-15-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

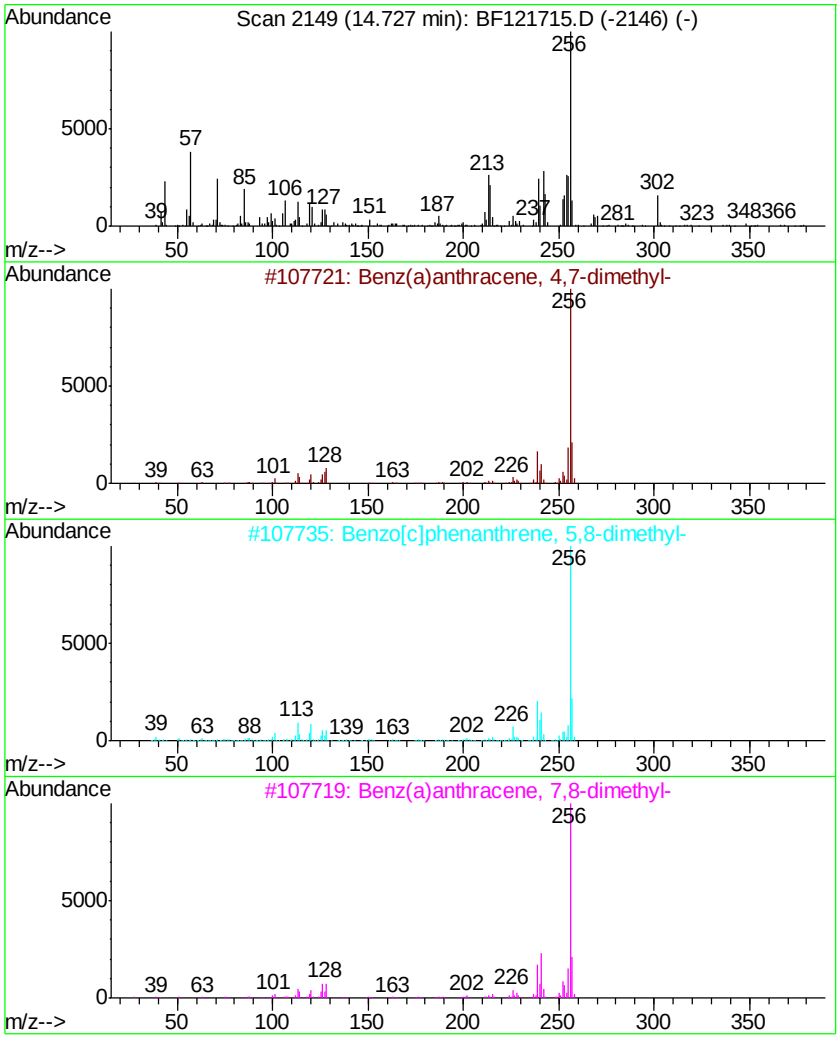
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

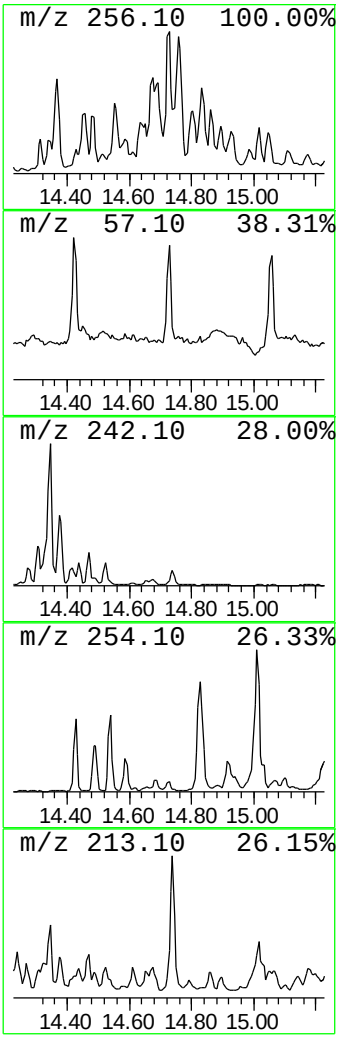
****

Peak Number 9 Benz(a)anthracene, 4,7-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	13.91 ng	686233	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	53
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	50
3	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	49
4	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	49
5	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

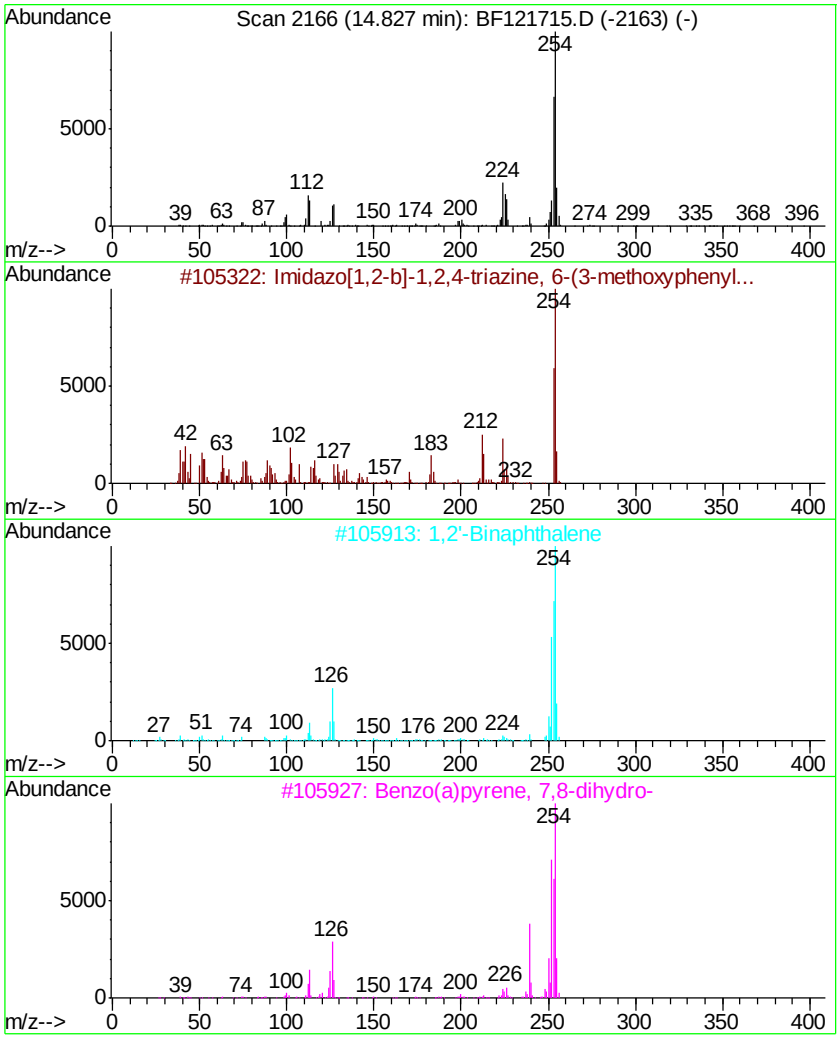
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

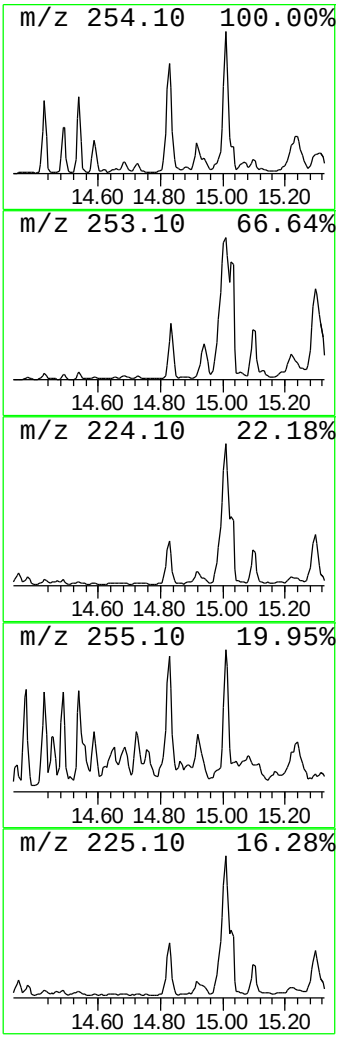
****

Peak Number 10 Imidazo[1,2-b]-1,2,4-triazi... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	13.17 ng	649628	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	72
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
3	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

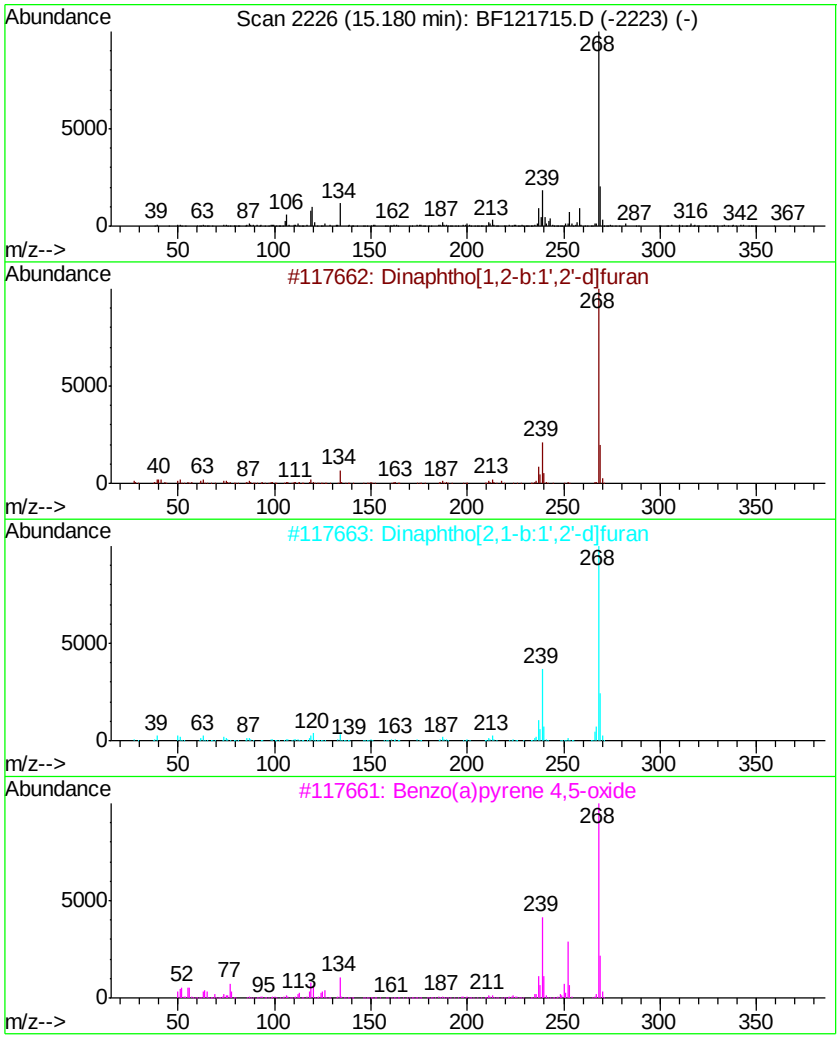
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

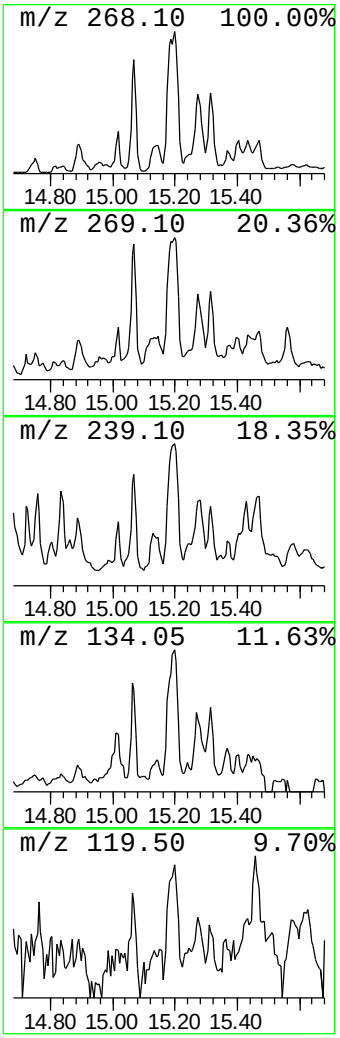
****

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	8.15 ng	401877	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	96
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

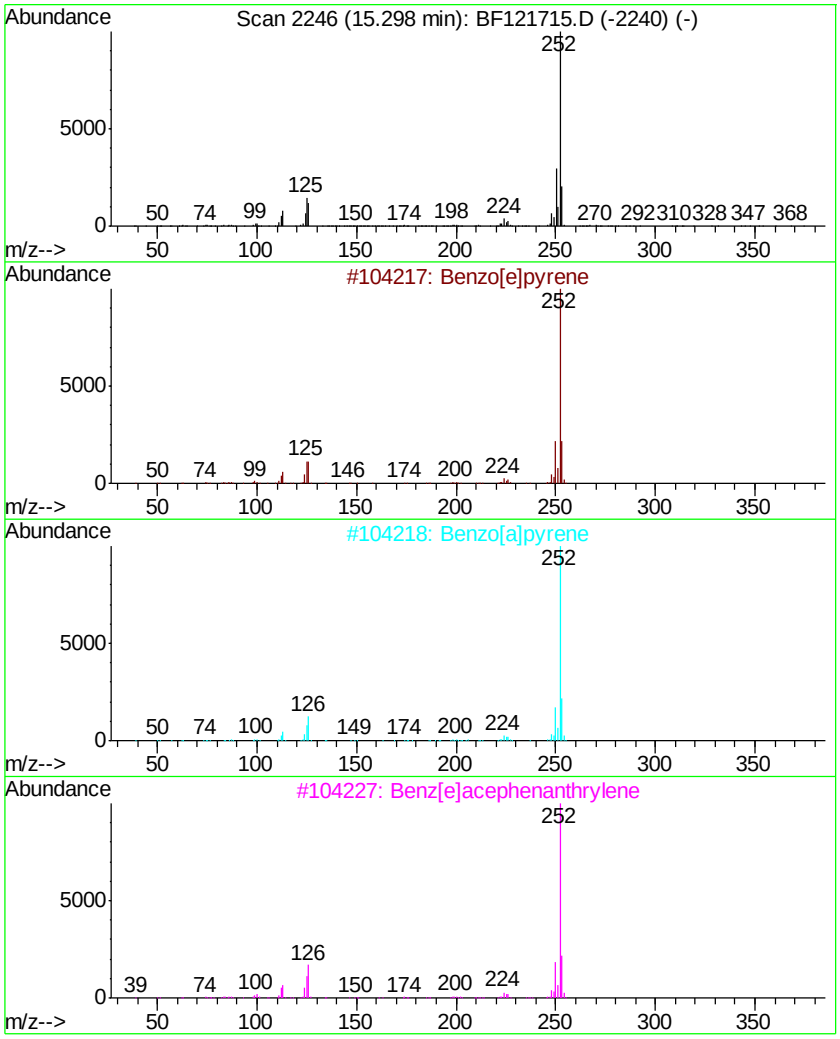
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

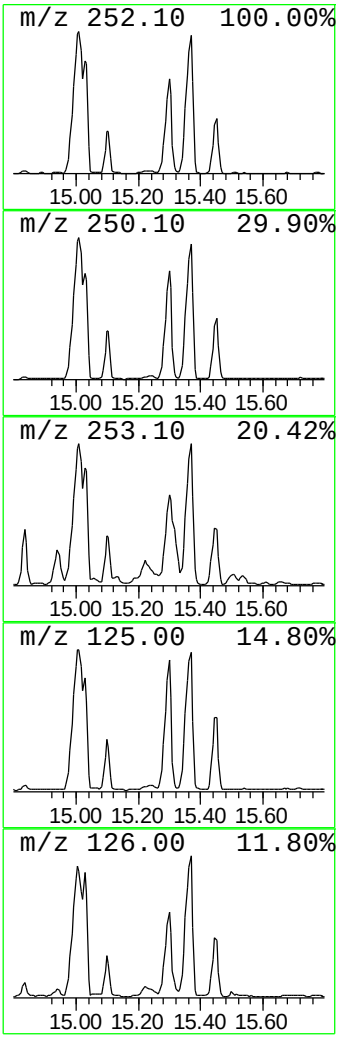
****

Peak Number 13 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	72.64 ng	3582660	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	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\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

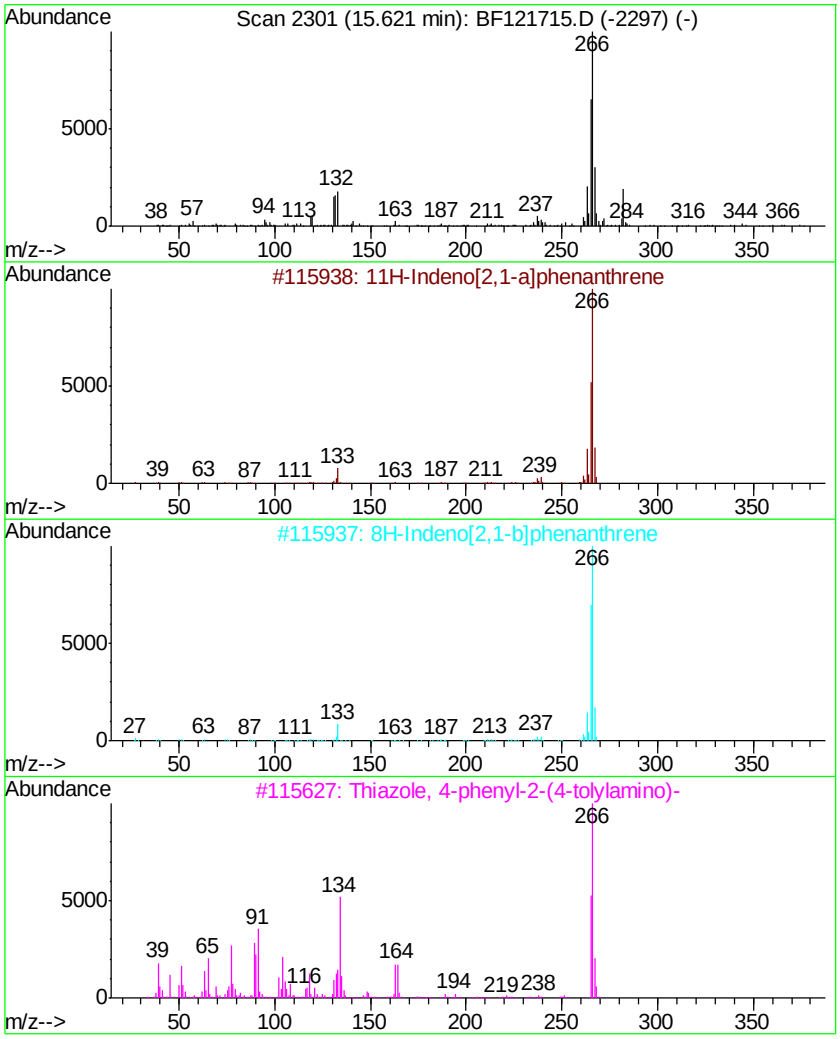
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

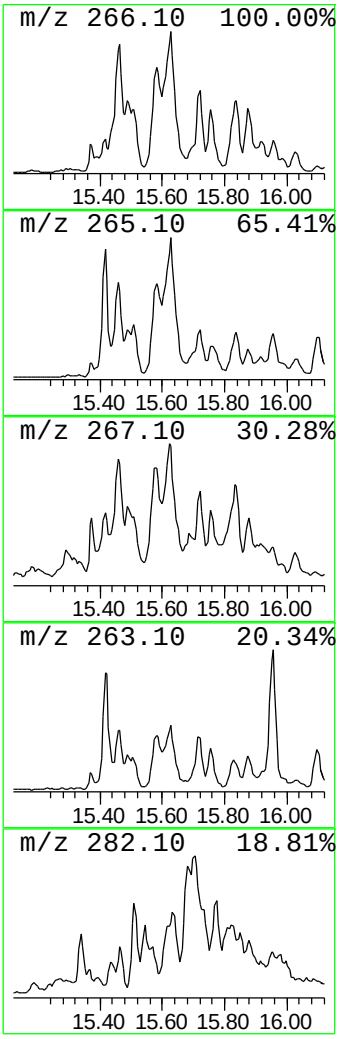
****

Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	11.88 ng	586097	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	94
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	68
3	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	64
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	62
5	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(11-13)

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

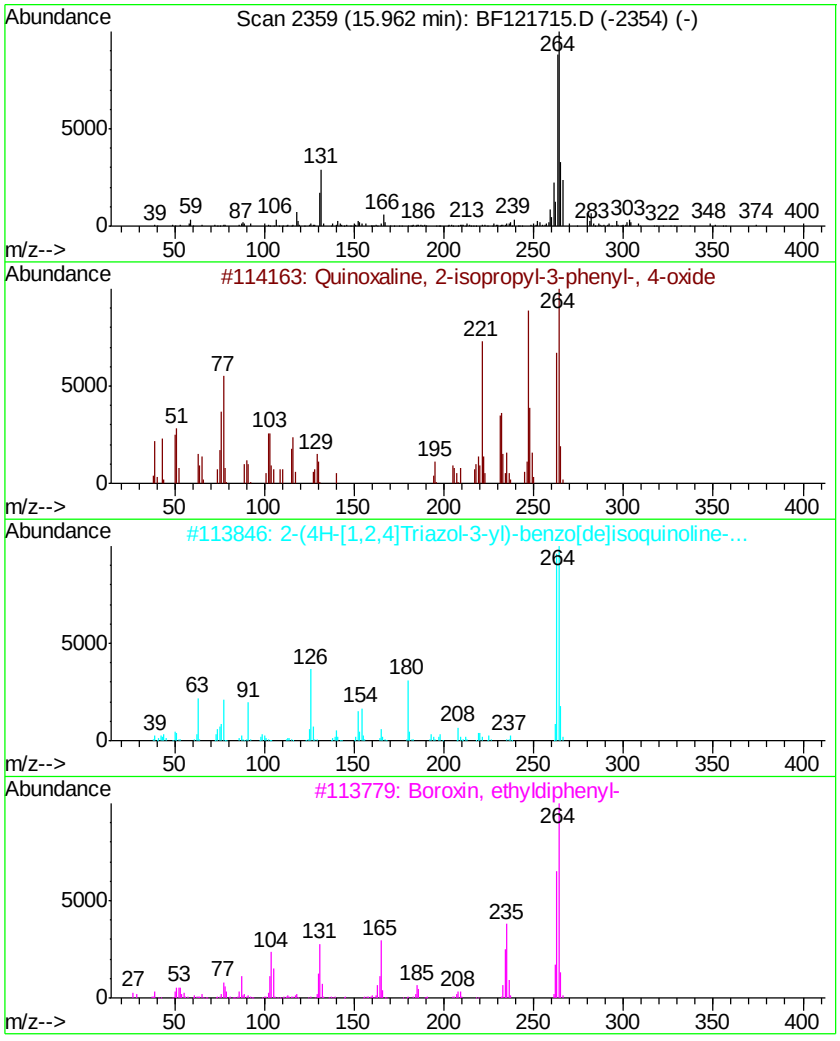
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

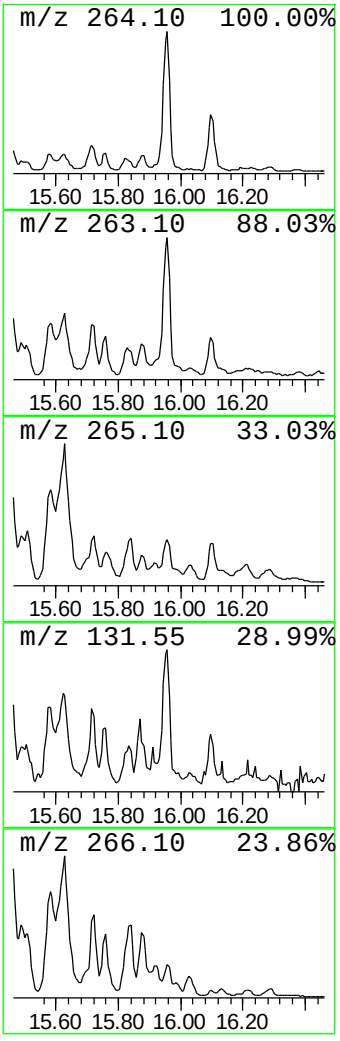
****

Peak Number 15 Quinoxaline, 2-isopropyl-3-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	6.57 ng	324144	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	53
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	53
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	50
4	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	25
5	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	23





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121715.D
Acq On : 28 Sep 2020 16:40
Operator : JU/CG
Sample : L4154-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-5(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
Naphthalene, 2,6-...	9.41	7.8	ng	604398	3	9.83	1554630	20.0
Naphthalene, 2,3-...	9.49	9.4	ng	733065	3	9.83	1554630	20.0
Naphthalene, 1,5-...	9.60	5.8	ng	451104	3	9.83	1554630	20.0
Diphenylmethane	10.46	5.0	ng	392448	3	9.83	1554630	20.0
Dibenzofuran, 4-m...	10.53	11.0	ng	858224	3	9.83	1554630	20.0
4H-Cyclopenta[def...	11.93	3.9	ng	3001180	4	11.32	15296900	20.0
11H-Benzo[b]fluorene	13.09	3.6	ng	1507430	5	13.97	8260570	20.0
11H-Benzo[a]fluor...	13.81	4.4	ng	1835020	5	13.97	8260570	20.0
Benz(a)anthracene...	14.73	13.9	ng	686233	6	15.42	986353	20.0
Imidazo[1,2-b]-1,...	14.83	13.2	ng	649628	6	15.42	986353	20.0
Dinaphtho[1,2-b:1...	15.18	8.2	ng	401877	6	15.42	986353	20.0
Benzo[e]pyrene	15.30	72.6	ng	3582660	6	15.42	986353	20.0
11H-Indeno[2,1-a]...	15.62	11.9	ng	586097	6	15.42	986353	20.0
Quinoxaline, 2-is...	15.96	6.6	ng	324144	6	15.42	986353	20.0