LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-03-031921

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123436.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.210	16	21	31	rVB	318302	431132	1.68%	0.194%
2	5.516	579	583	587	rBV	1188394	1086318	4.22%	0.490%
3	6.522	750	754	760	rBV	1369119	1161668	4.51%	0.524%
4	6.910	816	820	824	rBV	1745706	1556220	6.05%	0.702%
5	7.469	909	915	920	rVB	787477	732792	2.85%	0.331%
6	8.198	1034	1039	1041	rBV	2284302	2543368	9.88%	1.147%
7	8.222	1041	1043	1046	rVV	5626250	4360521	16.95%	1.967%
8	8.910	1154	1160	1163	rBV	1936356	1452238	5.64%	0.655%
9	9.010	1172	1177	1181	rVB	924023	747989	2.91%	0.337%
10	9.275	1218	1222	1225	rVB	1371625	1173358	4.56%	0.529%
11	9.375	1235	1239	1242	rBV	625539	504613	1.96%	0.228%
12	9.469	1252	1255	1260	rVB	401632	373303	1.45%	0.168%
13	9.533	1260	1266	1271	rBV2	256642	373357	1.45%	0.168%
14	9.610	1274	1279	1282	rBV	363760	386723	1.50%	0.174%
15	9.957	1332	1338	1341	rBV	2438470	2453531	9.54%	1.107%
16	9.998	1341	1345	1347	rVV	7562126	6872940	26.71%	3.101%
17	10.022	1347	1349	1351	rVB	557585	400772	1.56%	0.181%
18	10.116	1363	1365	1369	rVB	437998	337430	1.31%	0.152%
19	10.169	1369	1374	1377	rVB	5239872	4684535	18.21%	2.113%
20	10.516	1427	1433	1436	rBV	8120902	7797969	30.31%	3.518%
21	10.575	1436	1443	1444	rVV	792912	944623	3.67%	0.426%
22	10.592	1444	1446	1449	rVV	1212508	1119585	4.35%	0.505%
23	10.639	1452	1454	1456	rVV	758093	672146	2.61%	0.303%
24	10.663	1456	1458	1462	rVB	1339339	1074354	4.18%	0.485%
25	10.745	1468	1472	1476	rBV	2083626	2217480	8.62%	1.000%
26	10.939	1500	1505	1508	rBV	1225780	998528	3.88%	0.450%
27	11.057	1518	1525	1527	rBV2	913912	1211101	4.71%	0.546%
28	11.080	1527	1529	1533	rVV2	334018	353976	1.38%	0.160%
29	11.139	1536	1539	1542	rVV2	386403	344266	1.34%	0.155%
30	11.310	1563	1568	1570	rBV2	564976	778140	3.02%	0.351%
31	11.345	1570	1574	1581	rVB	2591631	2515294	9.78%	1.135%
32	11.498	1588	1600	1602	rBV	14314647	25729688	100.00%	11.607%
33	11.539	1602	1607	1609	rVV	7800686	8734552	33.95%	3.940%
34	11.563	1609	1611	1614	rVB	1627754	1193130	4.64%	0.538%
35	11.680	1624	1631	1634	rBV2	4019881	4654202	18.09%	2.100%
36	11.745	1637	1642	1645	rVV4	528837	705262	2.74%	0.318%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-03-031921

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.822	1652	1655	1659	rVV2	384214	396578	1.54%	0.179%
38	11.957	1671	1678	1680	rBV	1862128	1871835	7.28%	0.844%
39	11.980	1680	1682	1686	rVB	2534876	2478641	9.63%	1.118%
40	12.033	1686	1691	1694	rBV	1130457	1161139	4.51%	0.524%
41	12.074	1694	1698	1700	rVV	4015741	4393035	17.07%	1.982%
42	12.251	1725	1728	1731	rVB	1573447	1226448	4.77%	0.553%
43	12.504	1767	1771	1774	rVV2	430427	517595	2.01%	0.233%
44	12.545	1774	1778	1783	rVV4	355665	516714	2.01%	0.233%
45	12.686	1795	1802	1805	rBV	11051939	16156953	62.79%	7.289%
46	12.733	1805	1810	1813	rVV2	355511	482597	1.88%	0.218%
47	12.822	1821	1825	1833	rVB2	791006	1010358	3.93%	0.456%
48	12.916	1833	1841	1845	rBV3	9237349	15889000	61.75%	7.168%
49	12.951	1845	1847	1854	rVB3	672179	742304	2.89%	0.335%
50	13.021	1854	1859	1860	rBV	936841	944729	3.67%	0.426%
51	13.039	1860	1862	1863	rVV	906105	727108	2.83%	0.328%
52	13.057	1863	1865	1868	rVB	1216313	962086	3.74%	0.434%
53	13.121	1869	1876	1878	rBV3	661308	1184679	4.60%	0.534%
54	13.145	1878	1880	1883	rVB	714490	545292	2.12%	0.246%
55	13.204	1888	1890	1891	rVV2	471587	421496	1.64%	0.190%
56	13.227	1891	1894	1897	rVB	2560016	2456839	9.55%	1.108%
57	13.298	1902	1906	1908	rBV	3070631	2739150	10.65%	1.236%
58	13.333	1908	1912	1914	rVV3	1032772	1120968	4.36%	0.506%
59	13.357	1914	1916	1919	rVB	967682	774462	3.01%	0.349%
60	13.392	1919	1922	1925	rBV2	361277	375034	1.46%	0.169%
61	13.457	1930	1933	1936	rBV2	438929	482884	1.88%	0.218%
62	13.586	1951	1955	1957	rBV	766417	625098	2.43%	0.282%
63	13.710	1973	1976	1980	rBV2	328450	467871	1.82%	0.211%
64	13.845	1996	1999	2002	rBV	907752	939524	3.65%	0.424%
65	13.874	2002	2004	2006	rVV	976609	919414	3.57%	0.415%
66	13.904	2006	2009	2015	rVB3	838305	1310911	5.09%	0.591%
67	14.016	2022	2028	2032	rBV	369545	610912	2.37%	0.276%
68	14.098	2035	2042	2045	rVV3	6099281	8918696	34.66%	4.023%
69	14.133	2045	2048	2053	rVB	4947142	5711279	22.20%	2.576%
70	14.210	2058	2061	2067	rVV	2110724	2123878	8.25%	0.958%
71	14.286	2071	2074	2077	rVV	990294	1032059	4.01%	0.466%
72	14.321	2077	2080	2084	rVV2	1120379	1334386	5.19%	0.602%
73	14.421	2093	2097	2100	rVV2	436442	599285	2.33%	0.270%
74	14.451	2100	2102	2104	rVV	390420	373809	1.45%	0.169%
75	14.486	2104	2108	2111	rVV	961492	1216563	4.73%	0.549%
76	14.521	2111	2114	2118	rVV2	570463	660828	2.57%	0.298%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-03-031921

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.586	2118	2125	2127	rVV2	899775	1328561	5.16%	0.599%
78	14.616	2127	2130	2131	rVV	690505	680037	2.64%	0.307%
79	14.639	2131	2134	2137	rVV	1227401	1234728	4.80%	0.557%
80	14.674	2137	2140	2149	rVB4	382859	687934	2.67%	0.310%
81	14.810	2158	2163	2165	rBV	280603	362247	1.41%	0.163%
82	14.998	2191	2195	2198	rBV	357800	392174	1.52%	0.177%
83	15.180	2218	2226	2228	rBV	3870045	7256434	28.20%	3.274%
84	15.204	2228	2230	2233	rVB	2713753	2254821	8.76%	1.017%
85	15.280	2240	2243	2247	rVB	1314737	1324376	5.15%	0.597%
86	15.368	2254	2258	2260	rBV2	256831	369500	1.44%	0.167%
87	15.492	2272	2279	2284	rVB2	2346600	3880785	15.08%	1.751%
88	15.563	2284	2291	2295	rBV	3791025	5688022	22.11%	2.566%
89	15.615	2295	2300	2302	rBV	1030368	1374166	5.34%	0.620%
90	15.651	2302	2306	2311	rVB	1552280	2108073	8.19%	0.951%
91	15.827	2326	2336	2337	rBV3	329118	855608	3.33%	0.386%
92	15.992	2359	2364	2369	rVB2	341890	591816	2.30%	0.267%
93	16.192	2394	2398	2407	rVB	424610	691117	2.69%	0.312%
94	16.945	2518	2526	2534	rBV4	328561	1042656	4.05%	0.470%
95	17.151	2548	2561	2567	rVB2	1695927	3903910	15.17%	1.761%
96	17.321	2581	2590	2595	rBV	394694	884625	3.44%	0.399%
97	17.386	2595	2601	2605	rBV2	280889	540795	2.10%	0.244%
98	17.609	2629	2639	2649	rBV	1181060	2958385	11.50%	1.335%
99	17.768	2657	2666	2672	rVB5	208240	638689	2.48%	0.288%
100	17.845	2672	2679	2695	rVB	577142	1522733	5.92%	0.687%

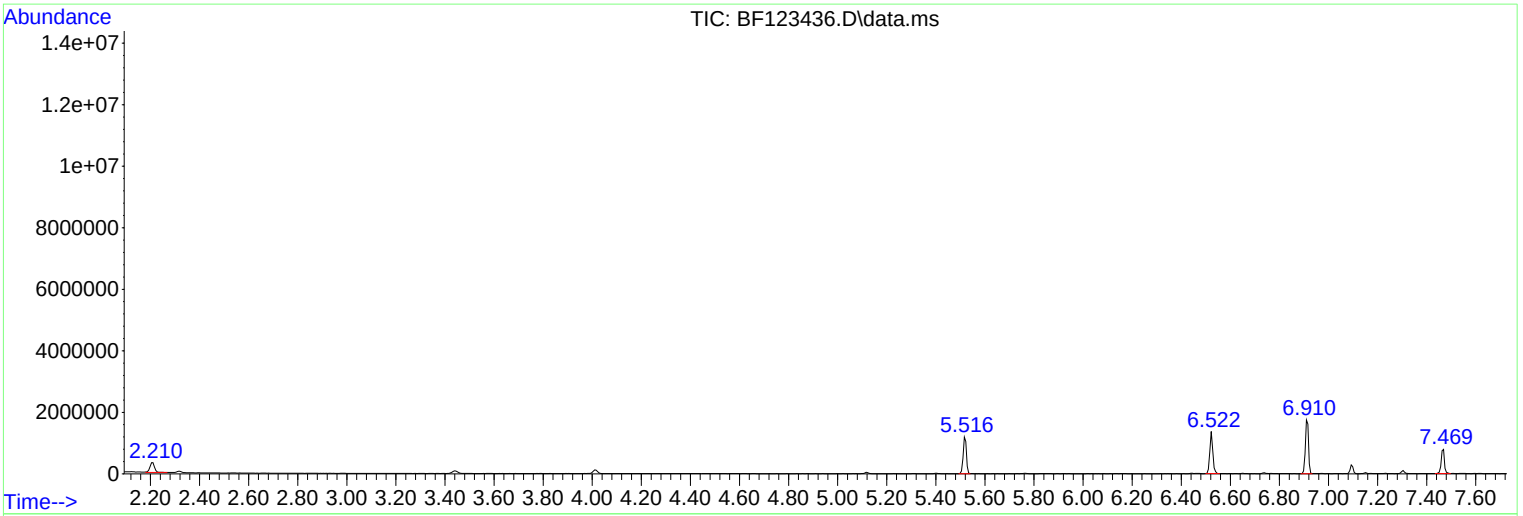
Sum of corrected areas: 221671733

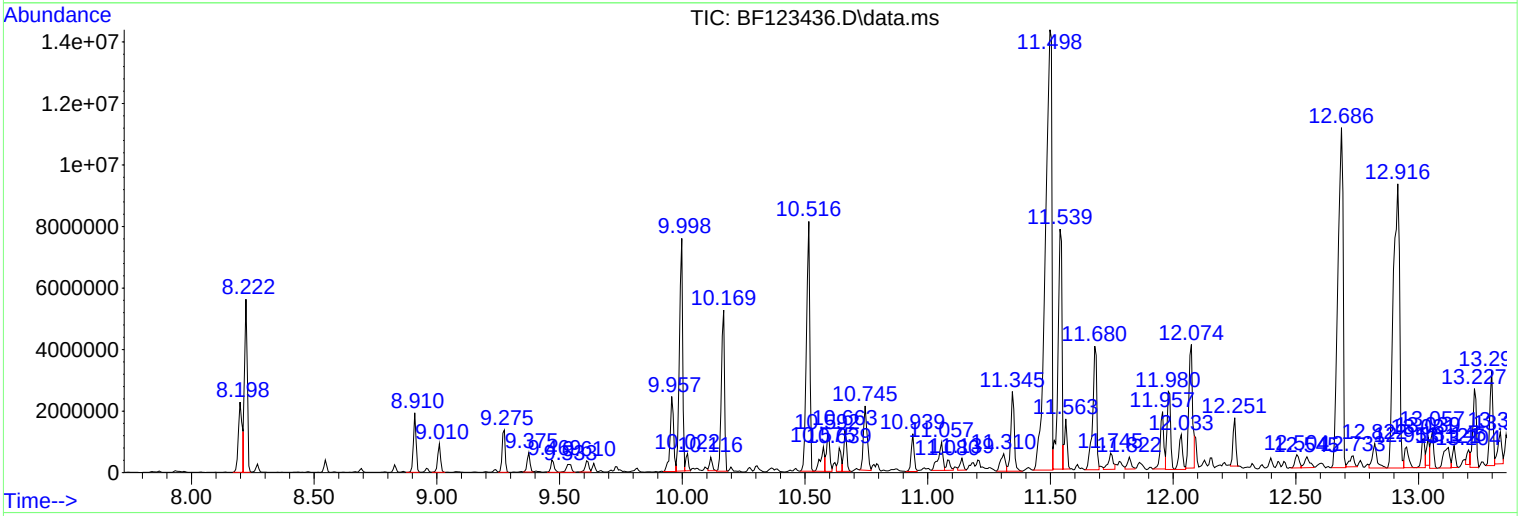
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

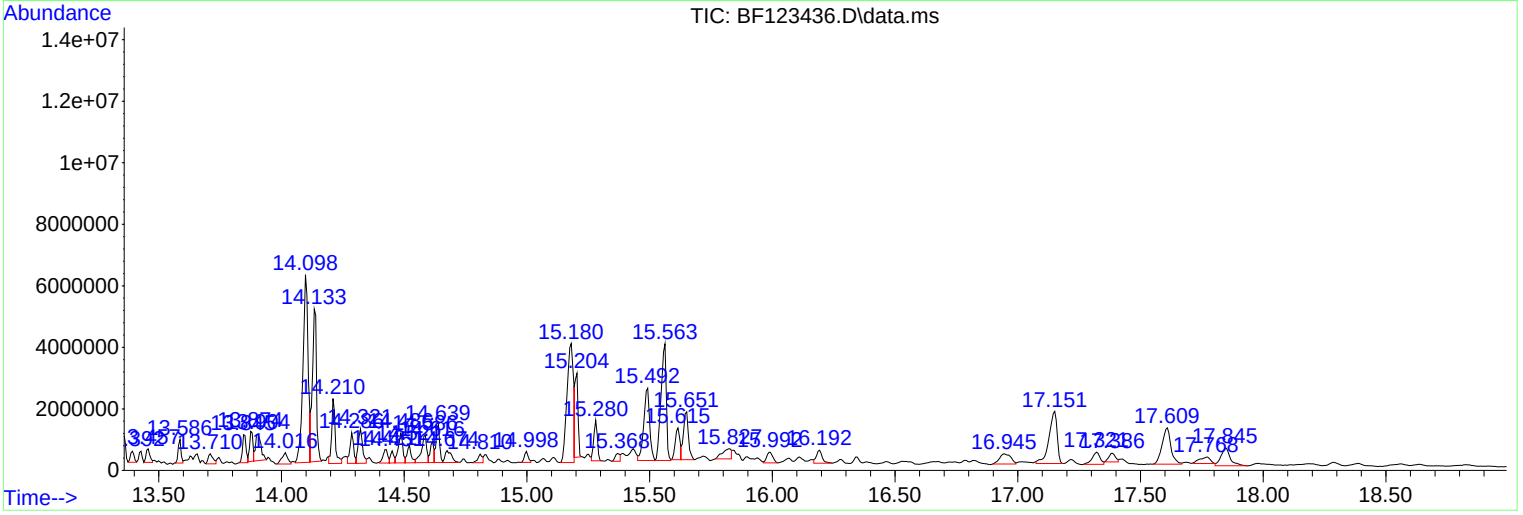
Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.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\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

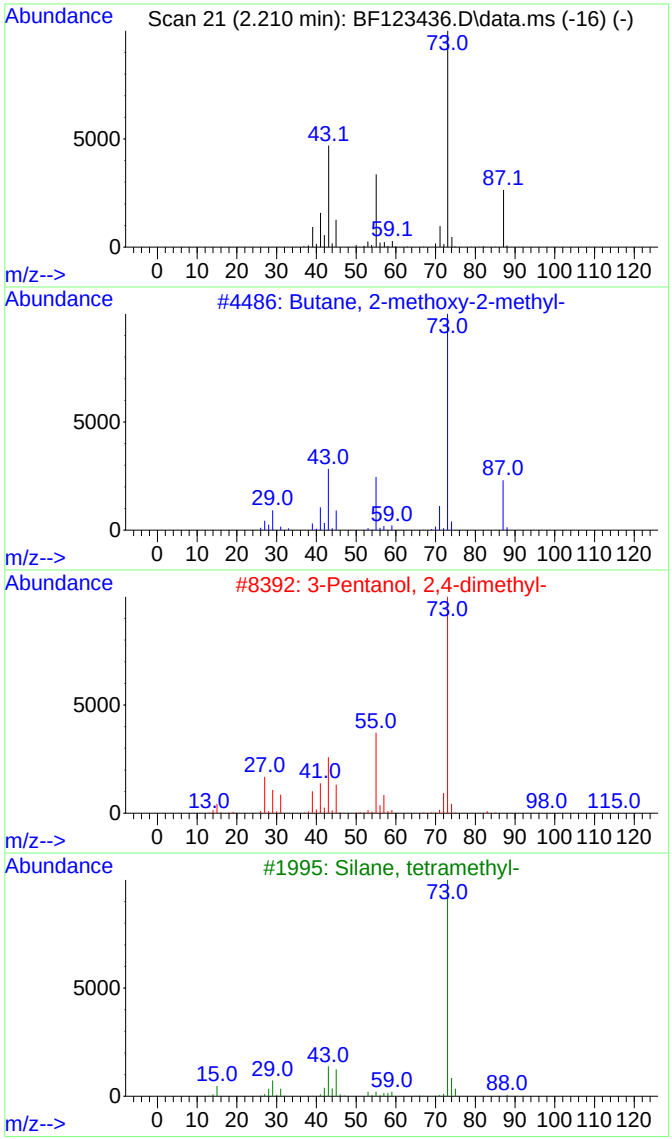
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

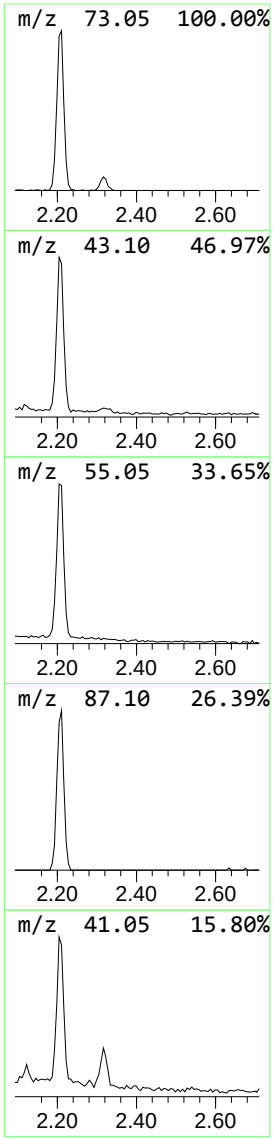
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.210	5.54 ng	431132	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

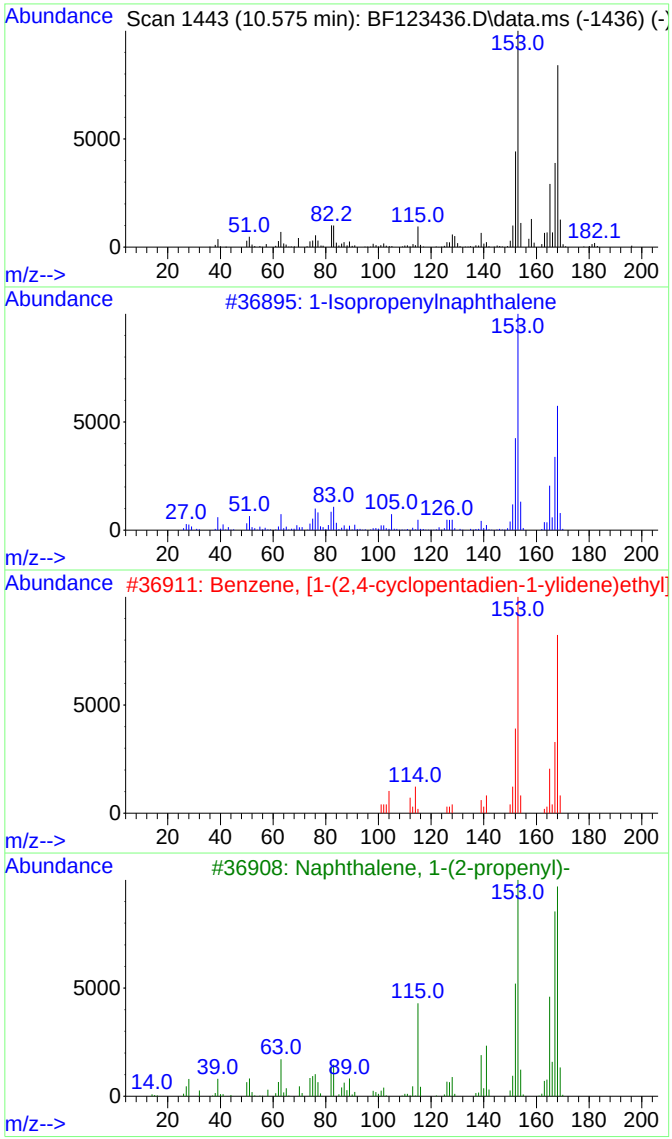
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

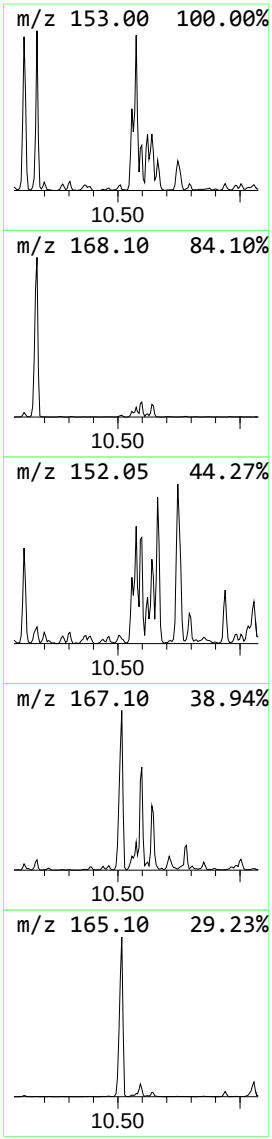
****

Peak Number 2 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.575	7.70 ng	944623	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

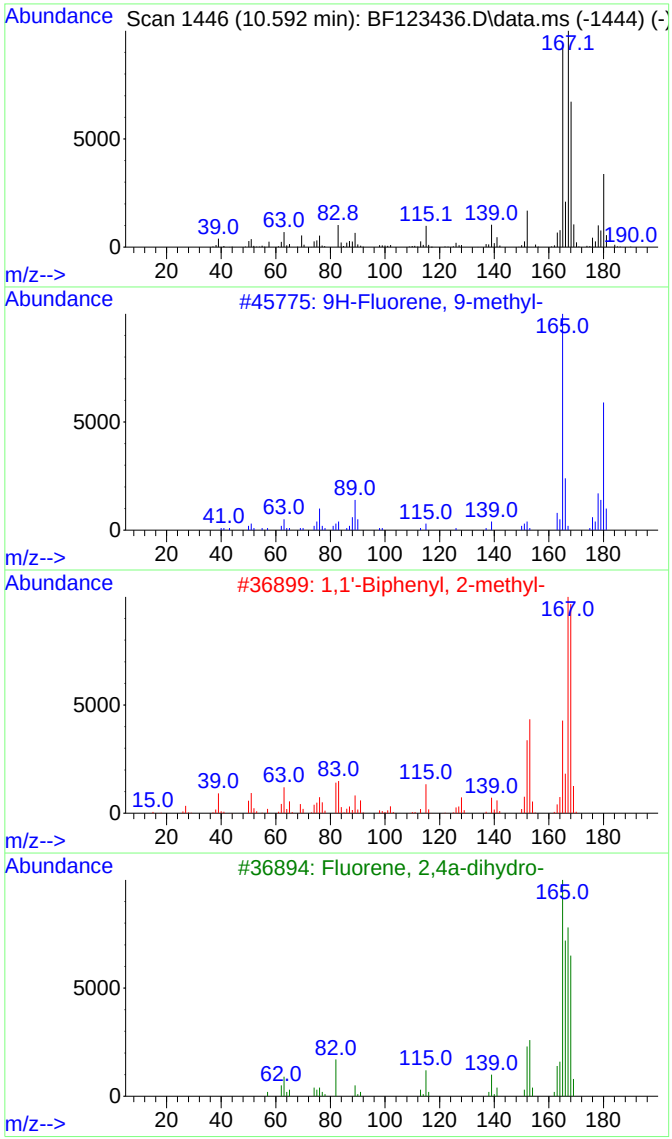
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

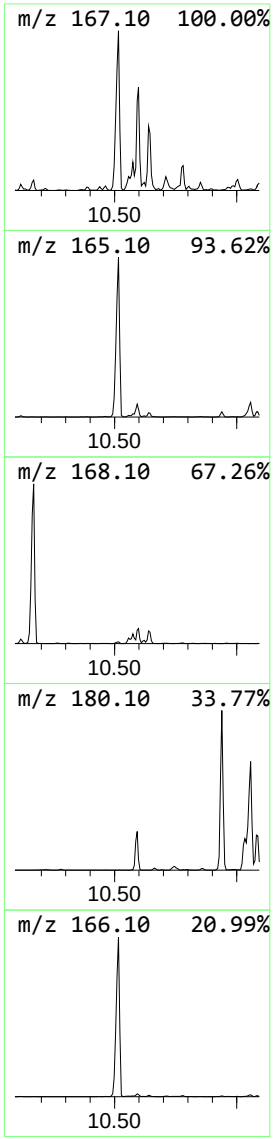
****

Peak Number 3 unknown10.592 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.592	9.13 ng	1119590	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	38
4	Carbazole	167	C12H9N	000086-74-8	27
5	Diphenylmethane	168	C13H12	000101-81-5	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

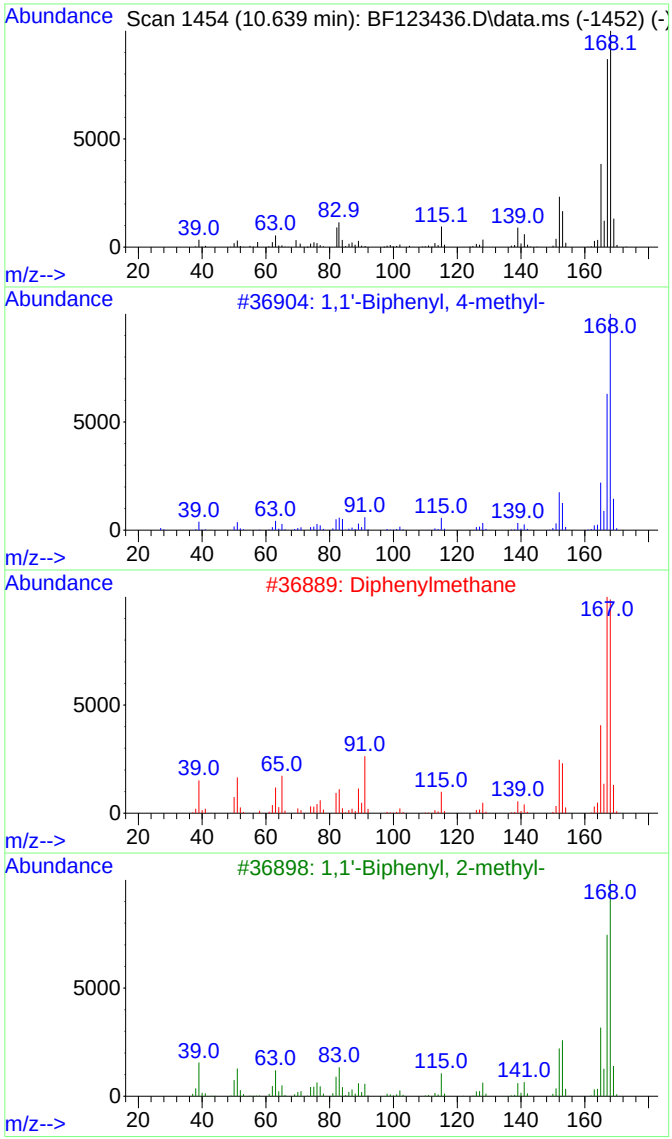
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

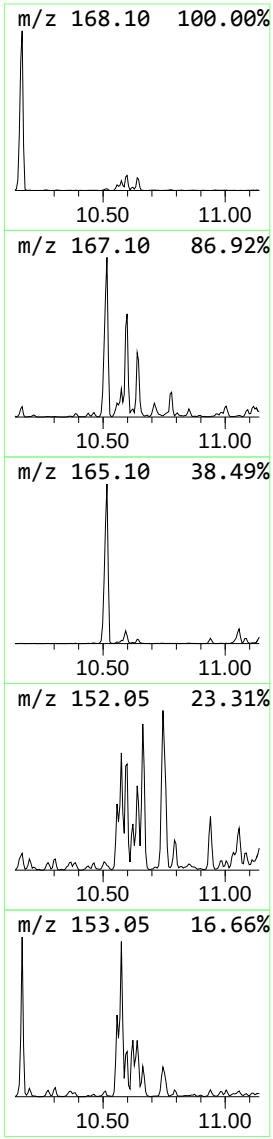
****

Peak Number 4 1,1'-Biphenyl, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.639	5.48 ng	672146	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	91
2	Diphenylmethane	168	C13H12	000101-81-5	90
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	90
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

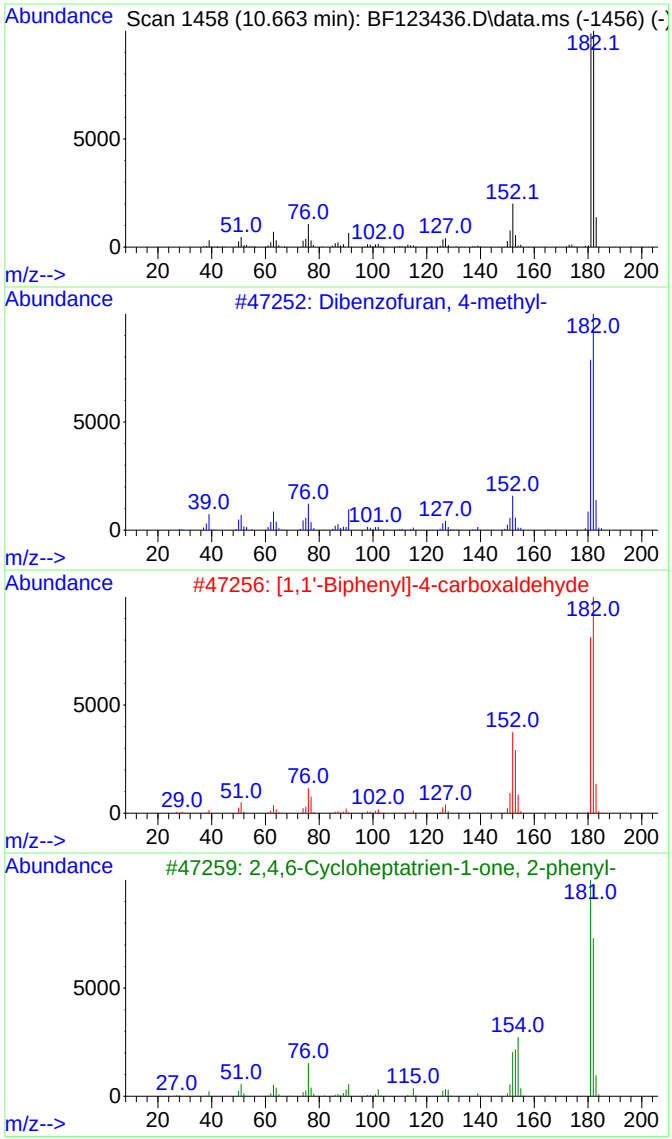
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

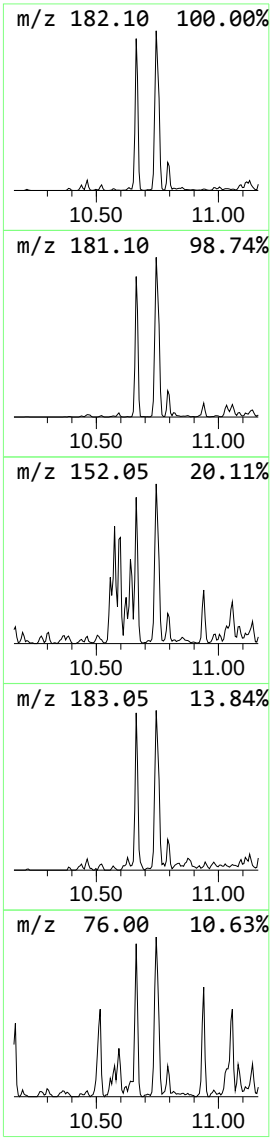
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.663	8.76 ng	1074350	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

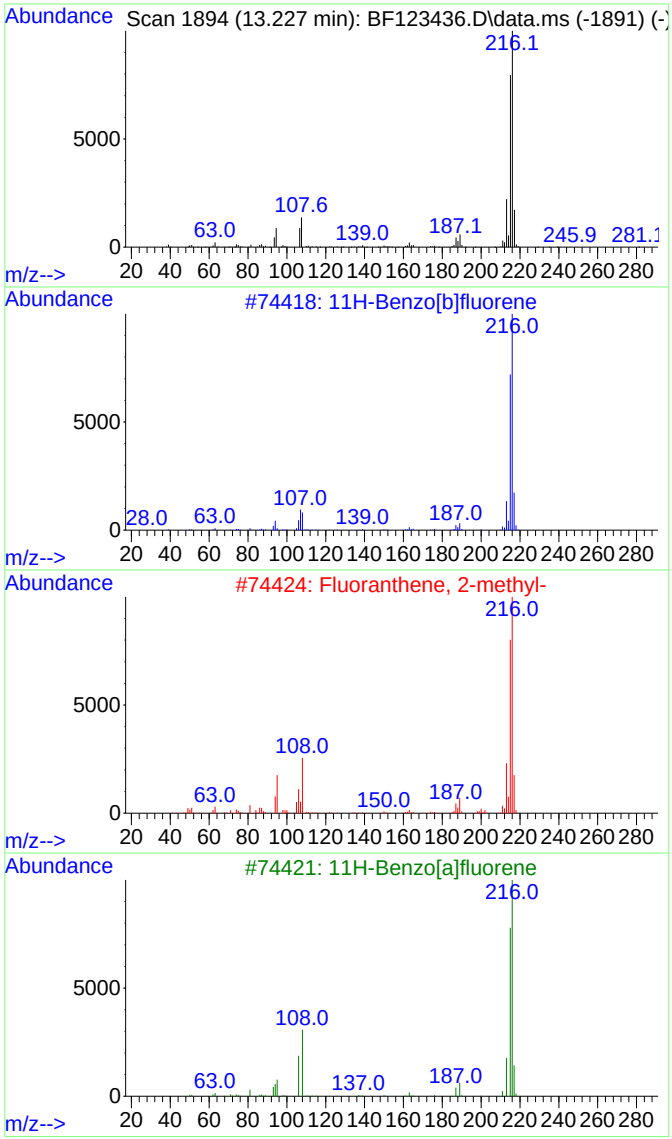
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

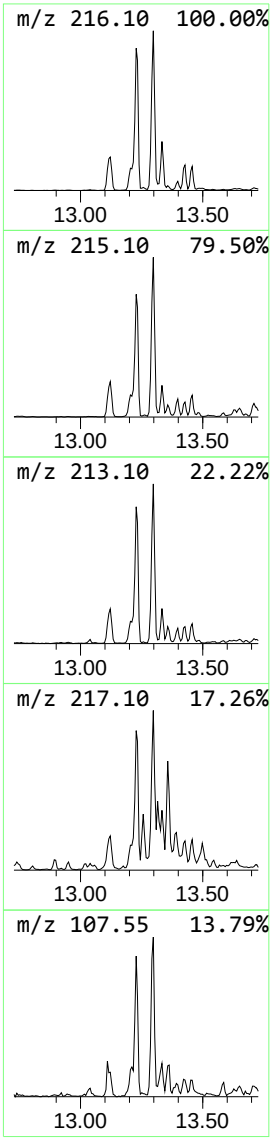
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	5.51 ng	2456840	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

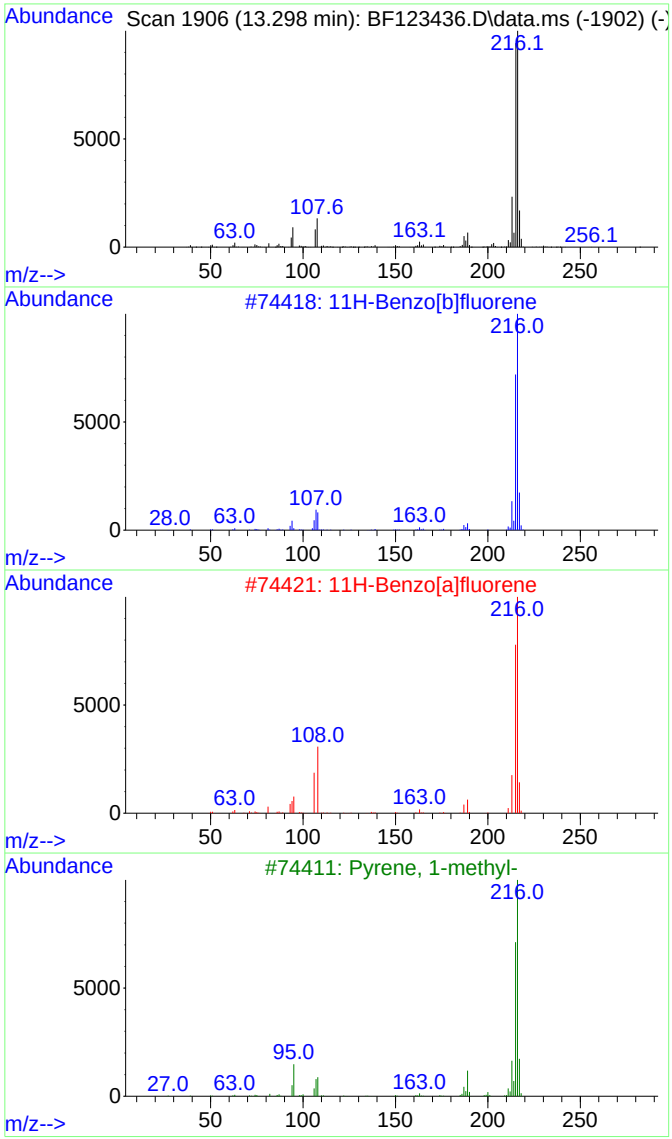
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

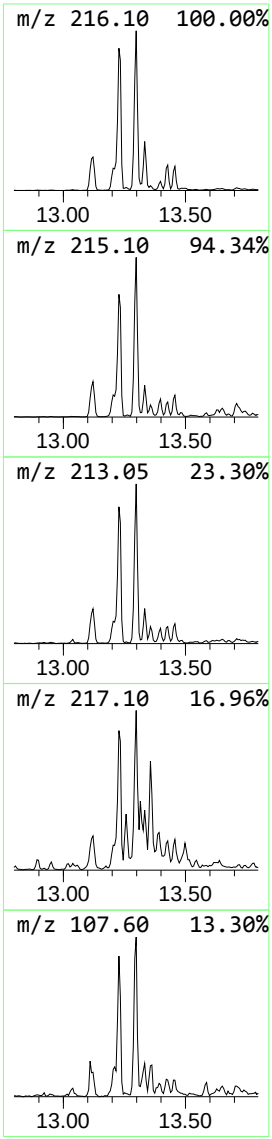
****

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	6.14 ng	2739150	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

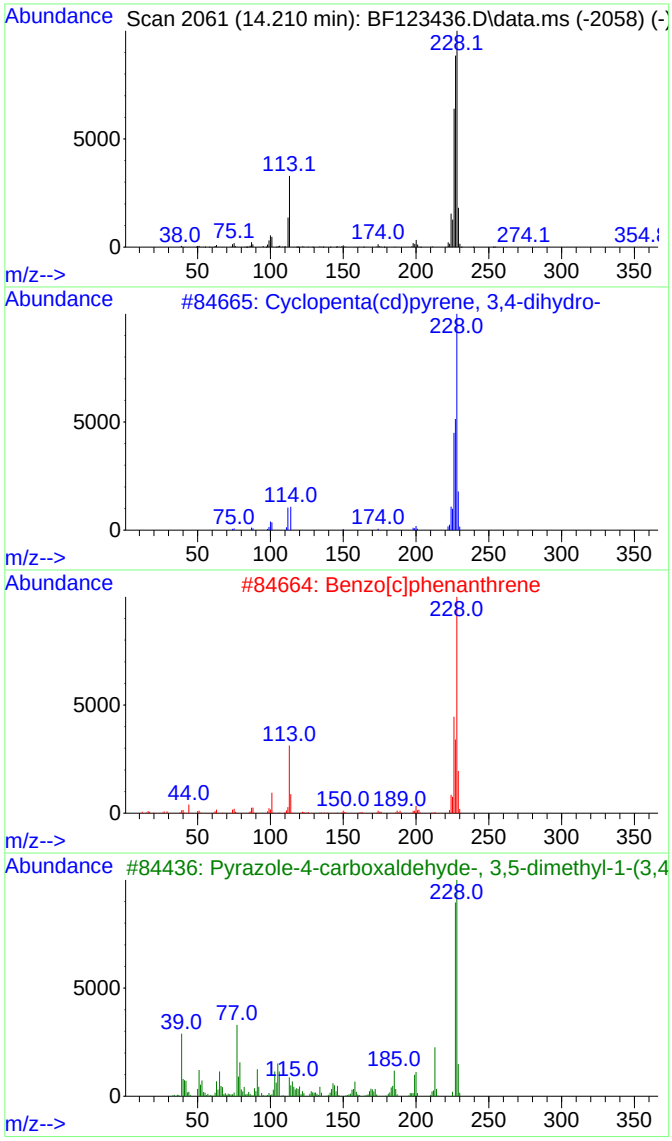
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

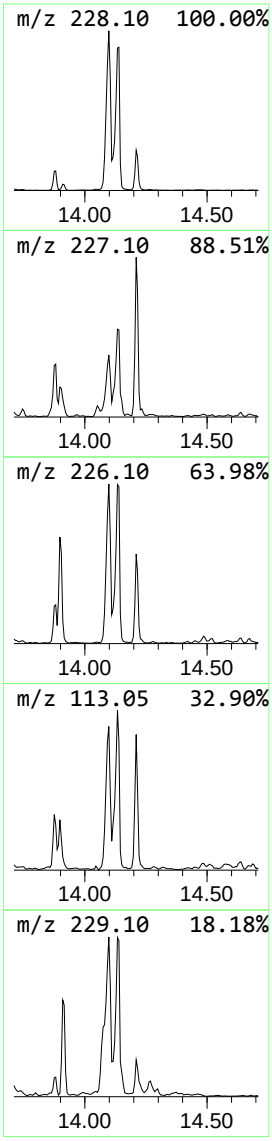
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.210	4.76 ng	2123880	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

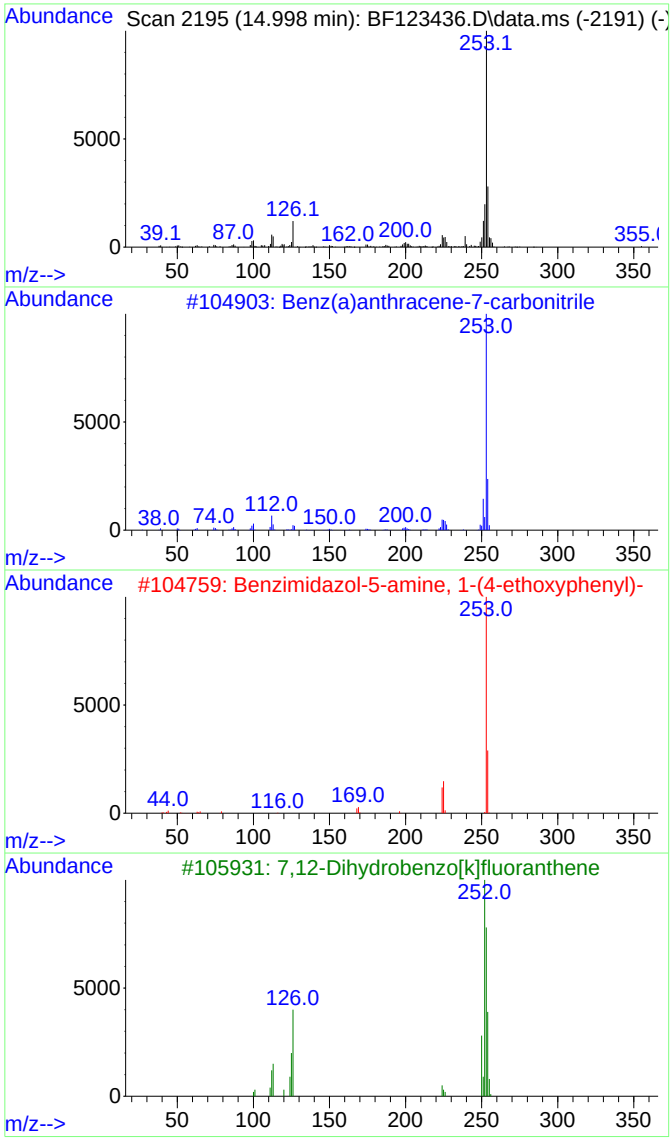
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

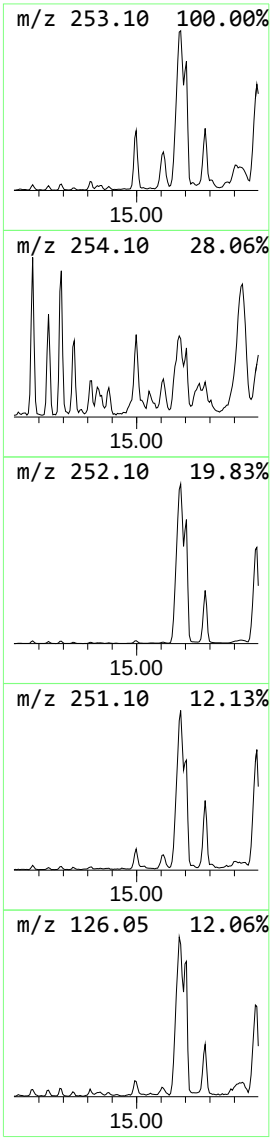
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benz(a)anthracene-7-carboni... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.998	5.71 ng	392174	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	95
2	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	52
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	32
4	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	32
5	6-Chloro-2-methyl-4-phenyl-quino...	253	C16H12ClN	022609-12-7	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

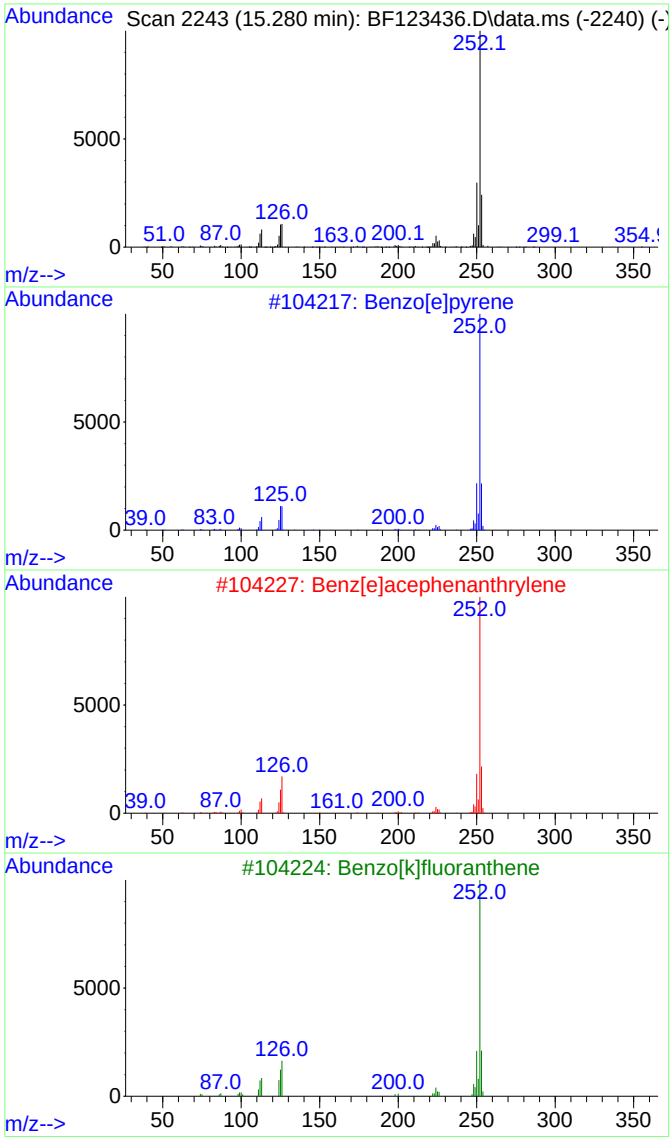
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

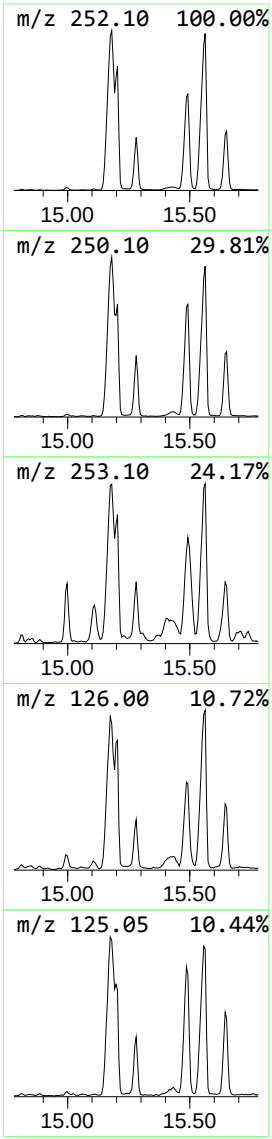
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	19.28 ng	1324380	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

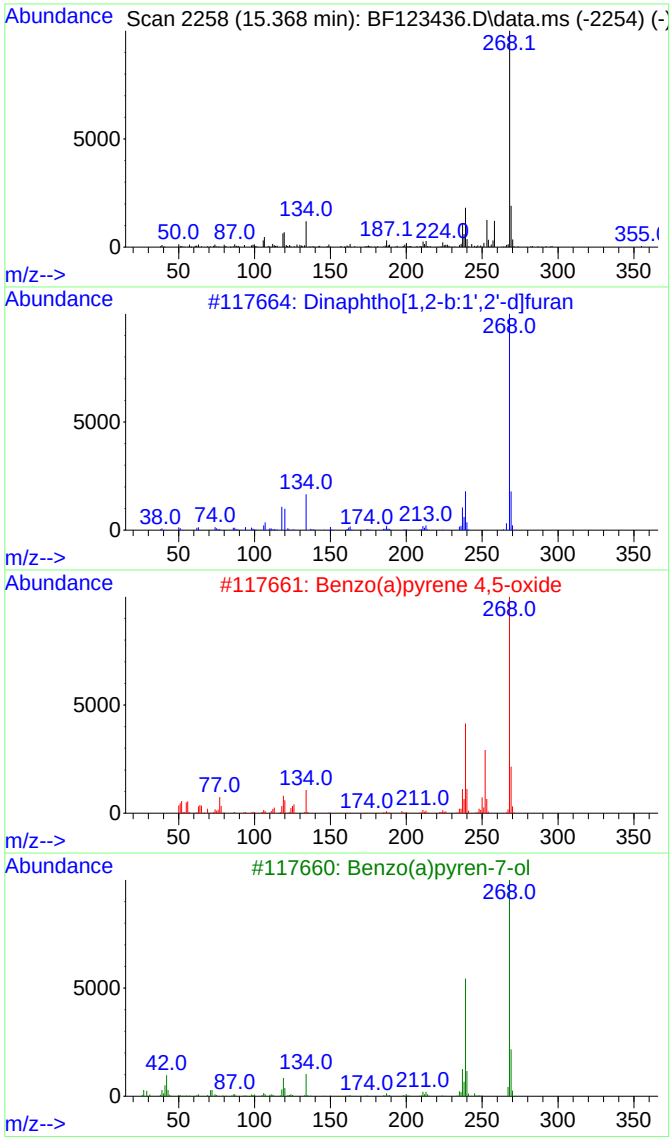
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

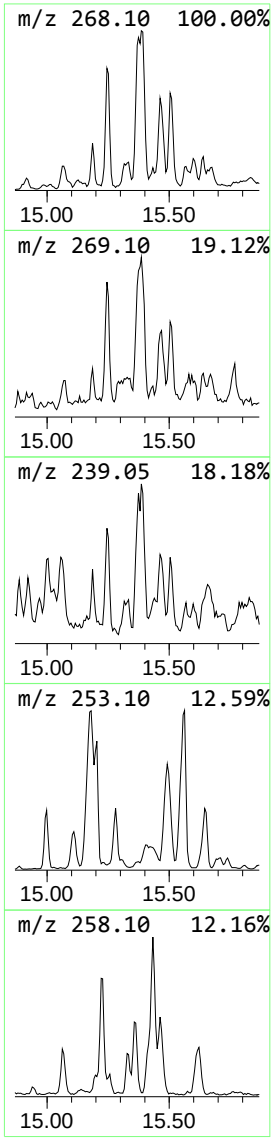
****

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	5.38 ng	369500	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	72
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	72
5	Triphenylcyclopropene	268	C21H16	016510-49-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

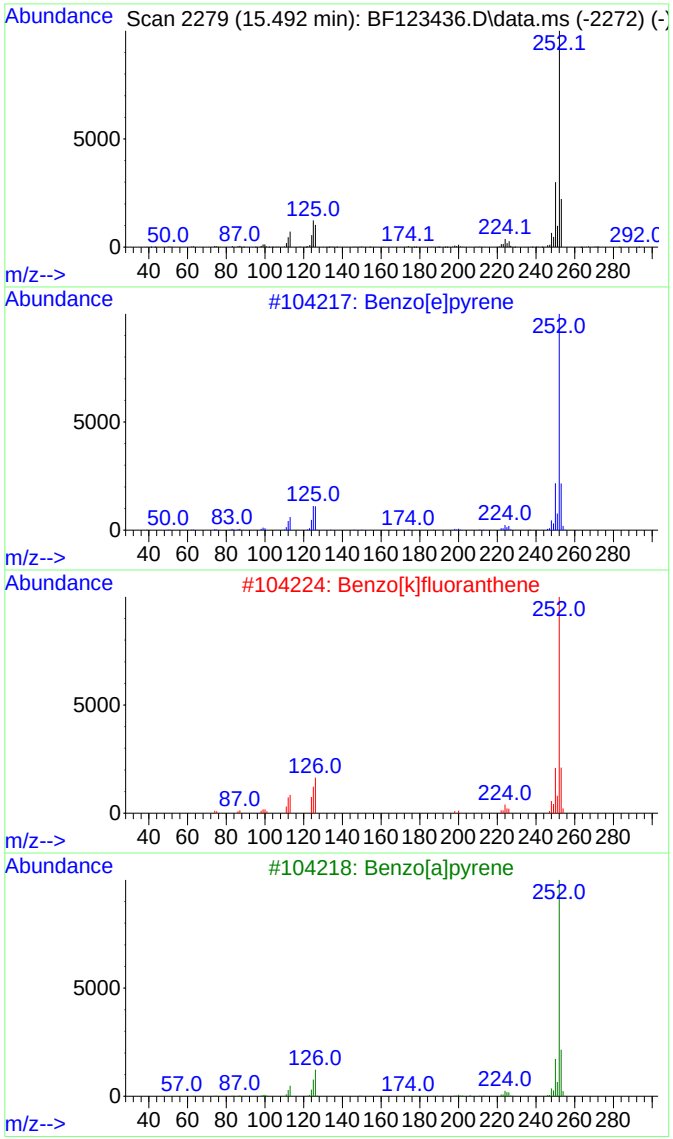
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

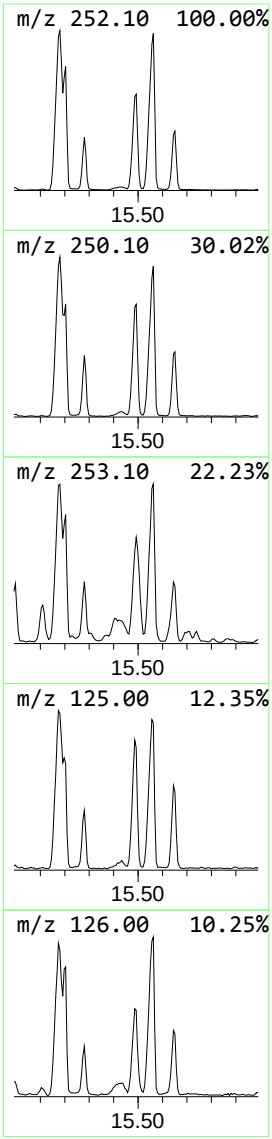
****

Peak Number 12 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.492	56.48 ng	3880790	Perylene-d12	15.615

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Perylene	252	C20H12	000198-55-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

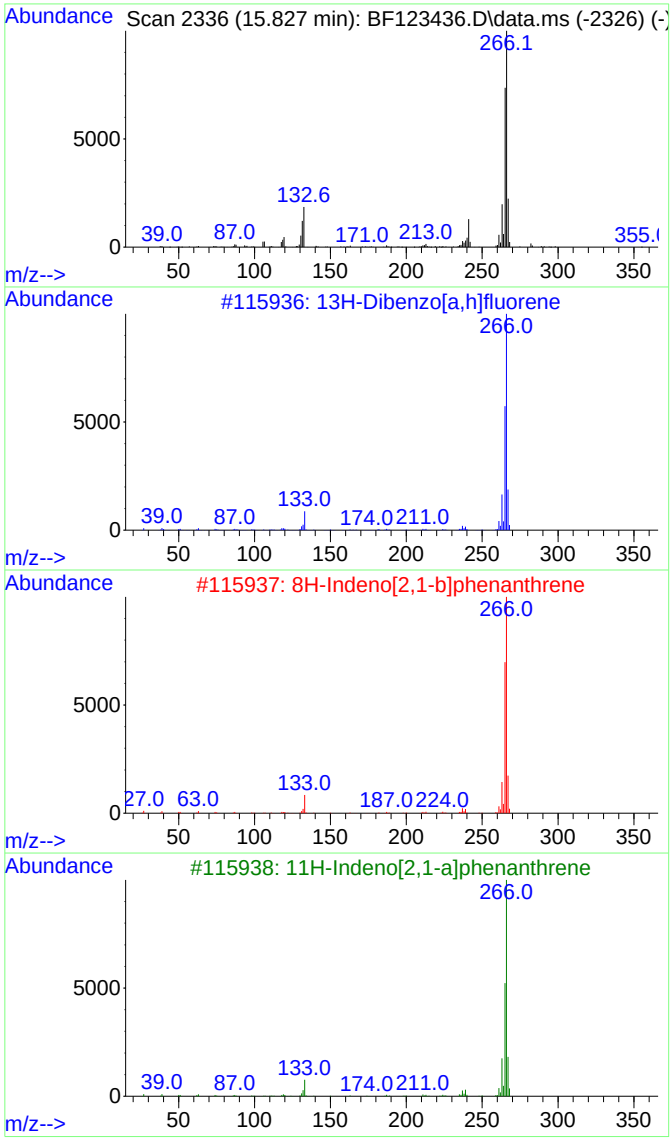
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

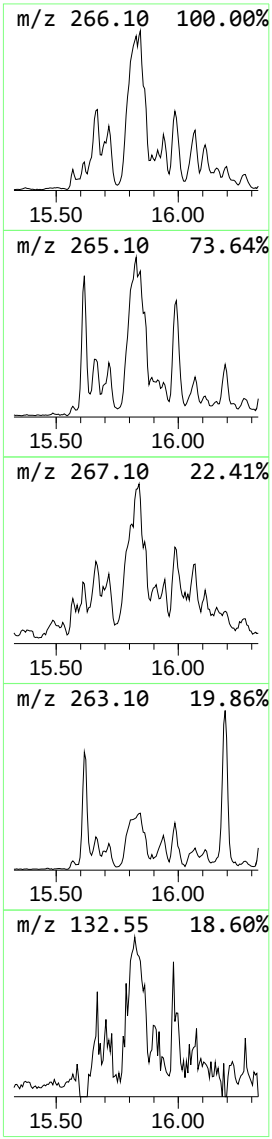
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 13H-Dibenzo[a,h]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.827	12.45 ng	855608	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	95
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	94
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	90
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	72
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

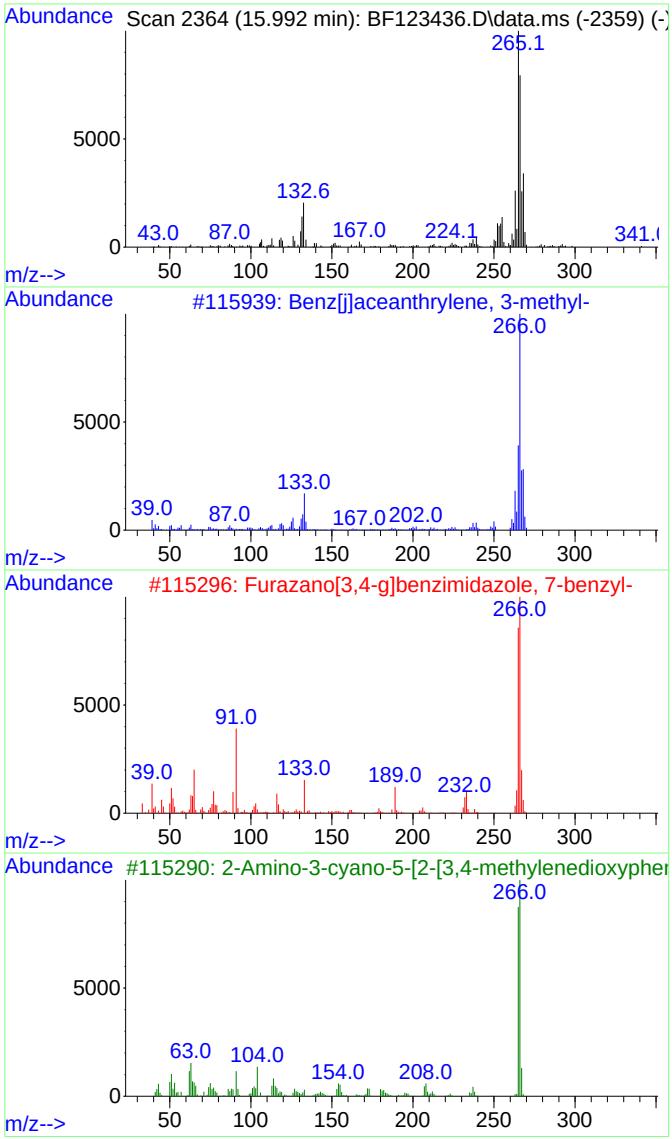
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

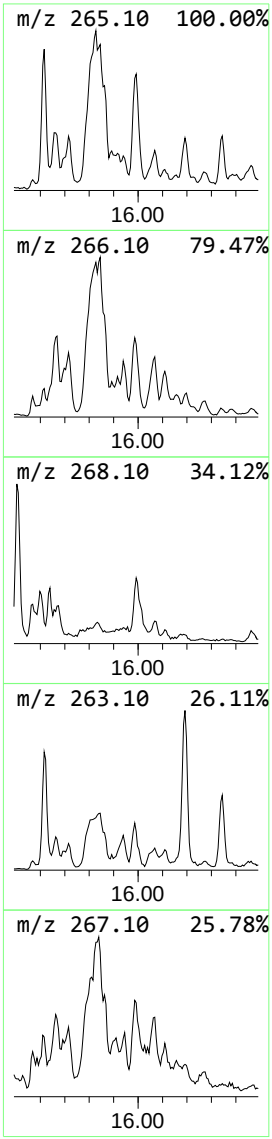
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benz[j]aceanthrylene, 3-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.992	8.61 ng	591816	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	64
2	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	52
3	2-Amino-3-cyano-5-[2-[3,4-methyl...	266	C14H10N4O2	1000252-72-1	47
4	5-Chloro-2-(4-methoxybenzyl)-4,6...	266	C12H11ClN2O3	1000327-10-1	43
5	Isoindole, 1,3-dihydro-2-(6-benz...	266	C16H14N2O2	312914-52-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

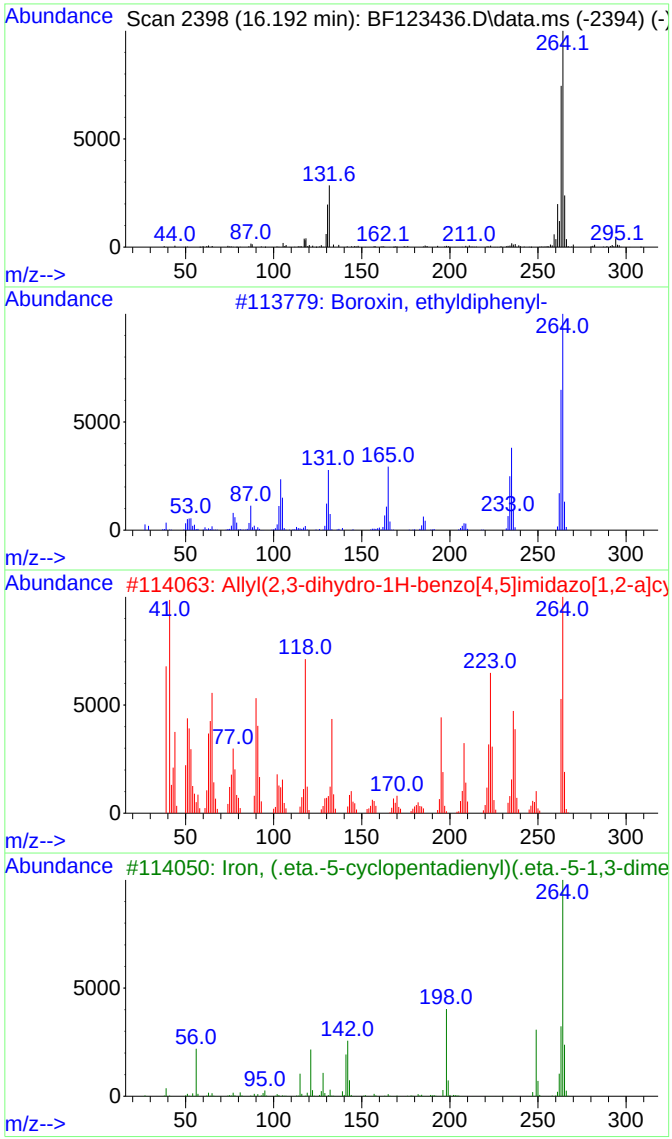
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

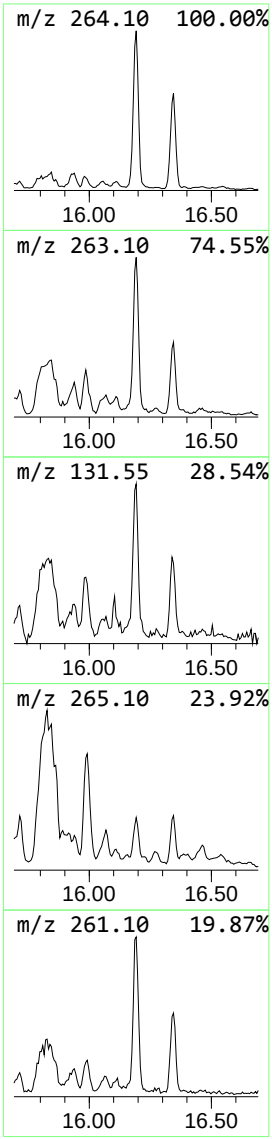
****

Peak Number 15 Boroxin, ethyldiphenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.192	10.06 ng	691117	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	40
3	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	38
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
5	5,12-Dioxa-chrysene-6,11-dione	264	C16H8O4	002288-98-4	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

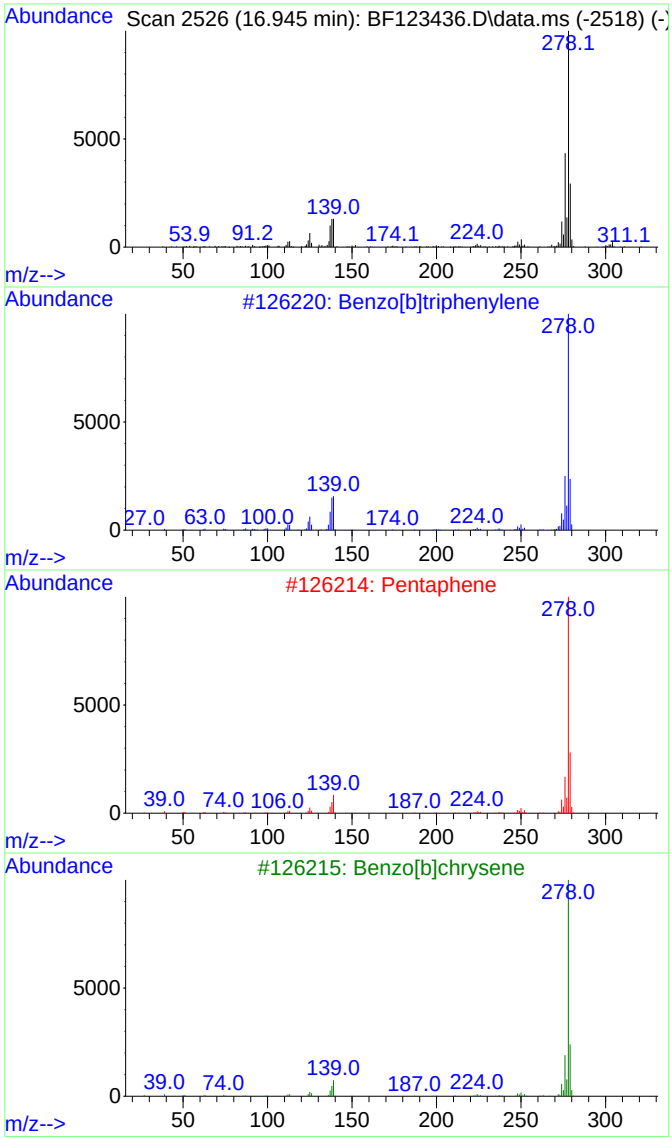
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

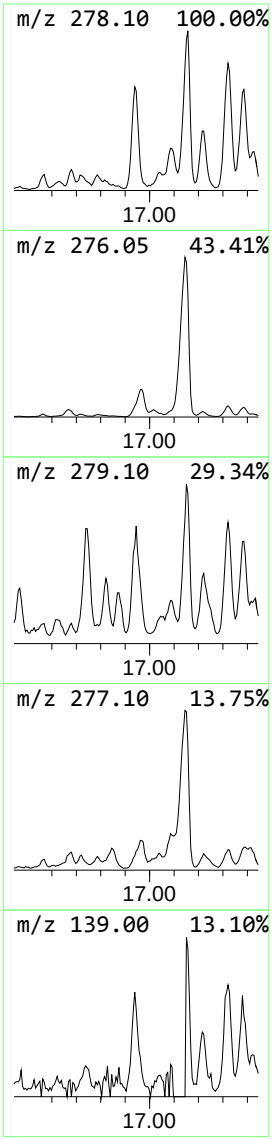
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]triphenylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.945	15.18 ng	1042660	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Pentaphene	278	C22H14	000222-93-5	94
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Picene	278	C22H14	000213-46-7	93
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

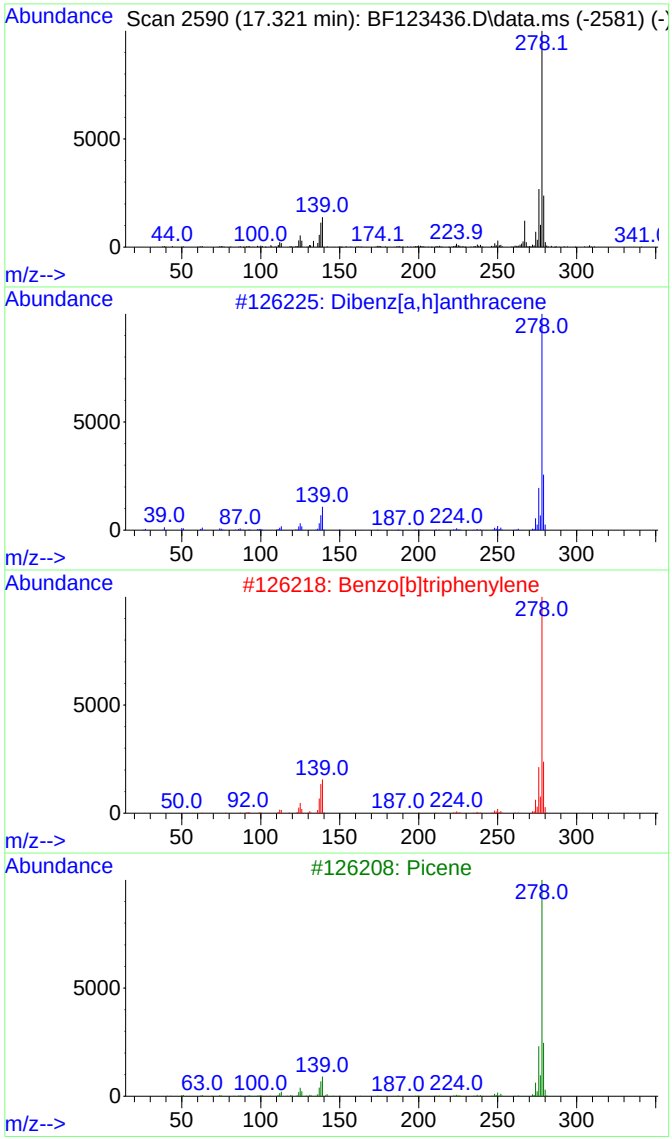
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

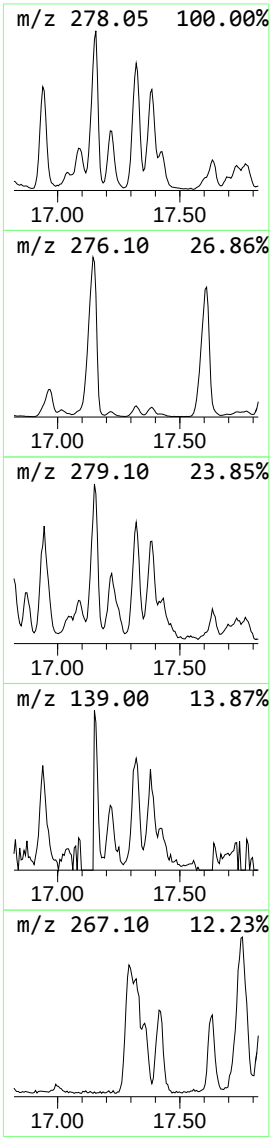
****

Peak Number 17 Picene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.321	12.88 ng	884625	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Picene	278	C22H14	000213-46-7	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	97
5	Pentaphene	278	C22H14	000222-93-5	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

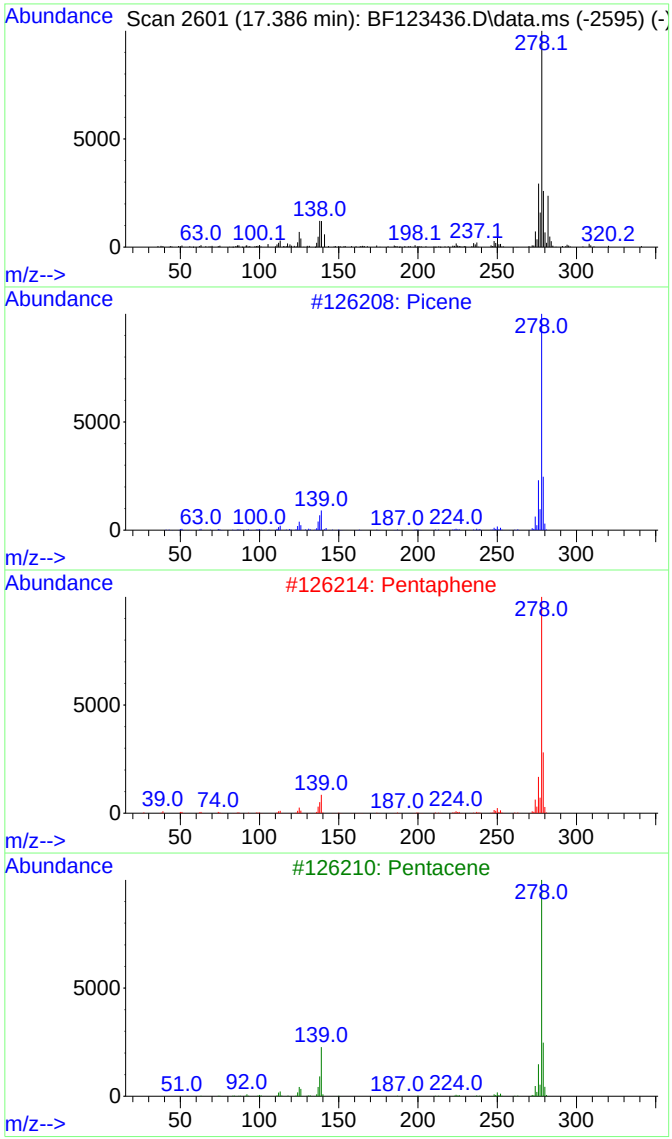
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

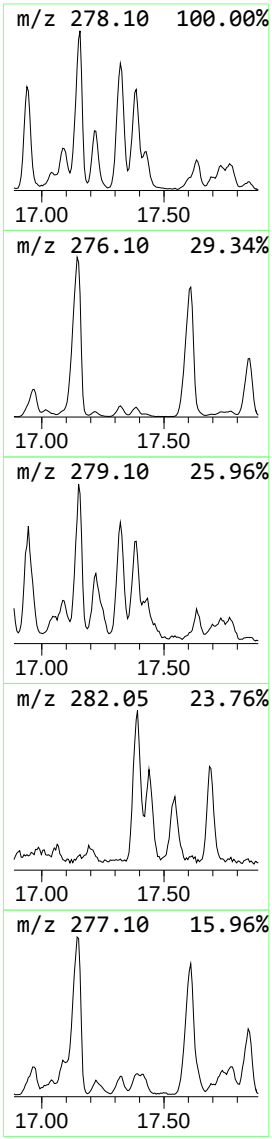
****

Peak Number 18 Pentaphene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.386	7.87 ng	540795	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Pentaphene	278	C22H14	000222-93-5	93
3	Pentacene	278	C22H14	000135-48-8	91
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
5	Benzo[b]chrysene	278	C22H14	000214-17-5	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

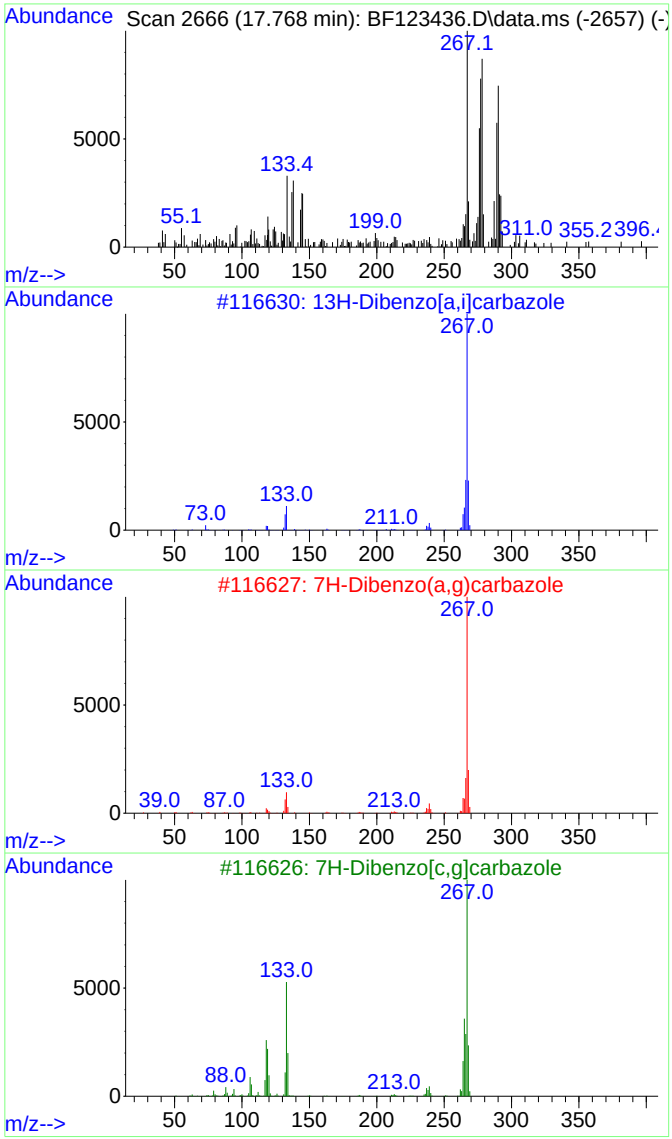
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

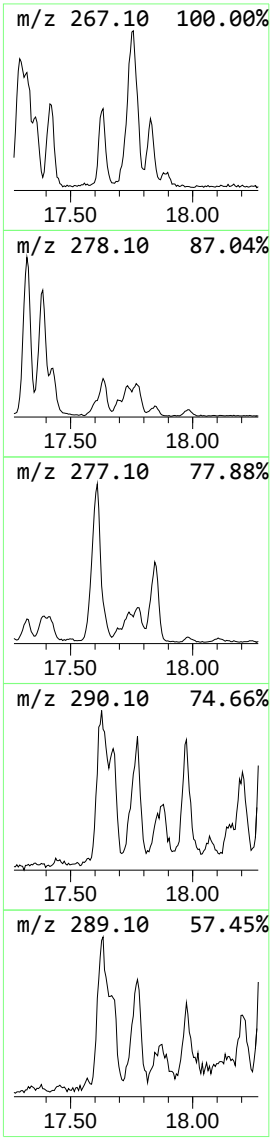
****

Peak Number 19 13H-Dibenzo[a,i]carbazole Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.768	9.30 ng	638689	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	25
2	7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	25
3	7H-Dibenzo[c,g]carbazole	267	C20H13N	000194-59-2	25
4	1,2-Dihydroindeno[1,2,3-cd]pyrene	278	C22H14	120362-68-7	18
5	5H-Naphtho[2,3-c]carbazole	267	C20H13N	000198-96-9	15





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-03-031921

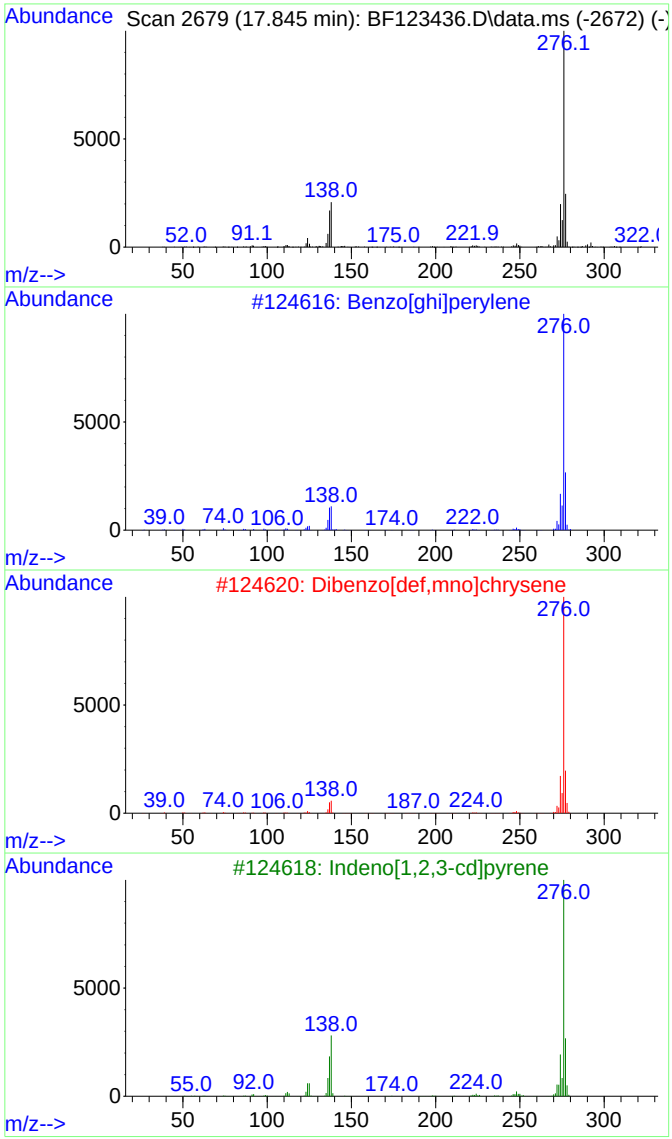
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

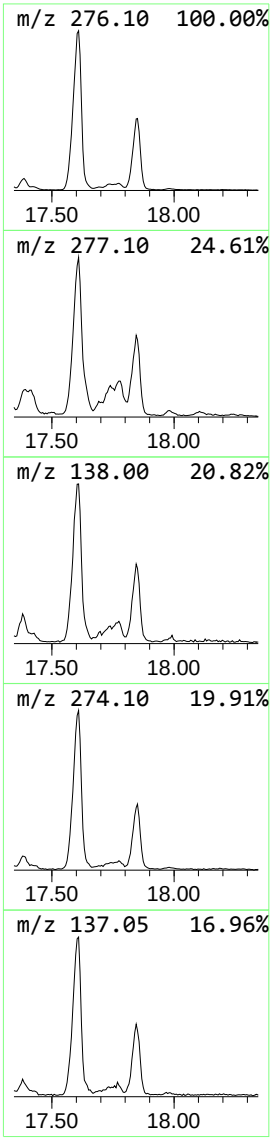
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.845	22.16 ng	1522730	Perylene-d12	15.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123436.D
Acq On : 24 Mar 2021 13:31
Operator : JU/CG
Sample : M1751-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-03-031921

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.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
Butane, 2-metho...	2.210	5.5	ng	431132	1	6.916	1556220	20.0
1-Isopropenylna...	10.575	7.7	ng	944623	3	9.957	2453530	20.0
unknown10.592	10.592	9.1	ng	1119590	3	9.957	2453530	20.0
1,1'-Biphenyl, ...	10.639	5.5	ng	672146	3	9.957	2453530	20.0
Dibenzofuran, 4...	10.663	8.8	ng	1074350	3	9.957	2453530	20.0
11H-Benzo[b]flu...	13.227	5.5	ng	2456840	5	14.110	8918700	20.0
11H-Benzo[a]flu...	13.298	6.1	ng	2739150	5	14.110	8918700	20.0
Cyclopenta(cd)p...	14.210	4.8	ng	2123880	5	14.110	8918700	20.0
Benz(a)anthrace...	14.998	5.7	ng	392174	6	15.615	1374170	20.0
Benzo[e]pyrene	15.280	19.3	ng	1324380	6	15.615	1374170	20.0
Dinaphtho[1,2-b...	15.368	5.4	ng	369500	6	15.615	1374170	20.0
Benzo[j]fluoran...	15.492	56.5	ng	3880790	6	15.615	1374170	20.0
13H-Dibenzo[a,h...	15.827	12.4	ng	855608	6	15.615	1374170	20.0
Benz[j]aceanthr...	15.992	8.6	ng	591816	6	15.615	1374170	20.0
Boroxin, ethyld...	16.192	10.1	ng	691117	6	15.615	1374170	20.0
Benzo[b]triphen...	16.945	15.2	ng	1042660	6	15.615	1374170	20.0
Picene	17.321	12.9	ng	884625	6	15.615	1374170	20.0
Pentaphene	17.386	7.9	ng	540795	6	15.615	1374170	20.0
13H-Dibenzo[a,i...	17.768	9.3	ng	638689	6	15.615	1374170	20.0
Dibenzo[def,mno...	17.845	22.2	ng	1522730	6	15.615	1374170	20.0