LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-3(474+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122878.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	566	570	585	rBV	1799131	1908755	11.39%	0.972%
2	6.451	738	742	763	rBV	1687736	1908509	11.39%	0.972%
3	6.816	801	804	814	rBV	776010	682530	4.07%	0.348%
4	7.381	896	900	911	rBV	1399211	1275183	7.61%	0.650%
5	8.104	1019	1023	1025	rBV	1026866	921094	5.50%	0.469%
6	8.122	1025	1026	1031	rVB	527174	388954	2.32%	0.198%
7	8.816	1139	1144	1151	rVB	598108	520481	3.11%	0.265%
8	8.875	1151	1154	1158	rBV	361630	378713	2.26%	0.193%
9	8.916	1158	1161	1166	rVB	467394	393555	2.35%	0.200%
10	9.175	1202	1205	1209	rVB	2463794	2253917	13.45%	1.148%
11	9.722	1294	1298	1301	rVB	1120589	1002745	5.98%	0.511%
12	9.857	1318	1321	1324	rVB	1159357	898293	5.36%	0.458%
13	9.892	1324	1327	1330	rVB	831491	728004	4.34%	0.371%
14	10.063	1352	1356	1361	rBV	1115959	929261	5.54%	0.473%
15	10.404	1411	1414	1420	rVB	745141	677680	4.04%	0.345%
16	10.651	1449	1456	1460	rBV	1649851	1795513	10.71%	0.915%
17	10.774	1475	1477	1483	rVB	463806	424979	2.54%	0.216%
18	10.945	1500	1506	1511	rBV4	239459	388903	2.32%	0.198%
19	11.157	1538	1542	1546	rVV	2406217	2364869	14.11%	1.205%
20	11.245	1553	1557	1563	rVB	568357	586273	3.50%	0.299%
21	11.386	1575	1581	1583	rVV	6362023	8877188	52.97%	4.522%
22	11.427	1583	1588	1590	rVV	2152607	1808375	10.79%	0.921%
23	11.580	1608	1614	1621	rBV2	2089590	2843273	16.96%	1.448%
24	11.639	1621	1624	1629	rVB3	537999	506541	3.02%	0.258%
25	11.686	1629	1632	1635	rVB3	374706	387224	2.31%	0.197%
26	11.851	1656	1660	1662	rVV	1221927	1226477	7.32%	0.625%
27	11.880	1662	1665	1669	rVV	2234301	2036490	12.15%	1.037%
28	11.921	1669	1672	1675	rVV	344043	379315	2.26%	0.193%
29	11.963	1675	1679	1681	rVV	1409084	1495261	8.92%	0.762%
30	11.980	1681	1682	1688	rVB	721477	659908	3.94%	0.336%
31	12.033	1688	1691	1693	rBV2	319332	363180	2.17%	0.185%
32	12.063	1693	1696	1698	rVV2	412276	475227	2.84%	0.242%
33	12.086	1698	1700	1704	rVV4	372089	631507	3.77%	0.322%
34	12.145	1707	1710	1713	rVV	1445692	1328182	7.92%	0.677%
35	12.192	1713	1718	1720	rVV	3067620	4007550	23.91%	2.042%
36	12.216	1720	1722	1725	rVB2	420134	371870	2.22%	0.189%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-3(474+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.292	1730	1735	1738	rBV3	761844	803807	4.80%	0.409%
38	12.404	1750	1754	1757	rBV	505374	685018	4.09%	0.349%
39	12.468	1757	1765	1768	rVV	1928944	2657538	15.86%	1.354%
40	12.521	1768	1774	1778	rVV	1893373	2708347	16.16%	1.380%
41	12.604	1778	1788	1790	rVV	7382286	16760054	100.00%	8.538%
42	12.639	1791	1794	1796	rVV	747716	828995	4.95%	0.422%
43	12.668	1796	1799	1804	rVV2	823203	909015	5.42%	0.463%
44	12.721	1804	1808	1811	rVV	1554937	1735492	10.35%	0.884%
45	12.751	1811	1813	1815	rVV	398701	449804	2.68%	0.229%
46	12.827	1818	1826	1828	rVV3	6959375	15701812	93.69%	7.999%
47	12.851	1828	1830	1833	rVB	1332102	1059247	6.32%	0.540%
48	12.921	1838	1842	1843	rBV	1750499	1789908	10.68%	0.912%
49	12.939	1843	1845	1847	rVB	2116144	1577299	9.41%	0.804%
50	12.963	1847	1849	1854	rVB	1493709	1773864	10.58%	0.904%
51	13.021	1854	1859	1862	rBV2	1361612	2027503	12.10%	1.033%
52	13.051	1862	1864	1866	rVB2	482597	392290	2.34%	0.200%
53	13.104	1870	1873	1875	rBV4	1311572	1728805	10.32%	0.881%
54	13.127	1875	1877	1880	rVB	1765362	1682666	10.04%	0.857%
55	13.192	1886	1888	1891	rBV	1075157	1019580	6.08%	0.519%
56	13.233	1891	1895	1897	rBV2	1646664	2203108	13.14%	1.122%
57	13.286	1902	1904	1907	rVB	477582	395050	2.36%	0.201%
58	13.327	1907	1911	1913	rBV	944312	985995	5.88%	0.502%
59	13.351	1913	1915	1919	rVV4	810037	1056148	6.30%	0.538%
60	13.421	1923	1927	1929	rBV	493771	662216	3.95%	0.337%
61	13.474	1933	1936	1939	rBV2	565168	639078	3.81%	0.326%
62	13.551	1946	1949	1956	rVB5	543606	1053452	6.29%	0.537%
63	13.651	1961	1966	1969	rVB	3221170	3524038	21.03%	1.795%
64	13.757	1979	1984	1986	rBV2	2677475	3527521	21.05%	1.797%
65	13.780	1986	1988	1990	rVV	1844119	1645637	9.82%	0.838%
66	13.810	1990	1993	1998	rVV4	2645286	3609013	21.53%	1.839%
67	13.863	1998	2002	2009	rVB2	2487638	4399694	26.25%	2.241%
68	13.998	2019	2025	2028	rBV3	2898017	5675400	33.86%	2.891%
69	14.051	2028	2034	2039	rVB2	5795370	11335456	67.63%	5.775%
70	14.115	2042	2045	2047	rBV2	750592	654926	3.91%	0.334%
71	14.233	2061	2065	2068	rVB3	815323	1240225	7.40%	0.632%
72	14.268	2068	2071	2073	rBV3	600178	618653	3.69%	0.315%
73	14.357	2083	2086	2087	rBV2	379511	427940	2.55%	0.218%
74	14.386	2087	2091	2094	rVB3	862353	1288654	7.69%	0.656%
75	14.445	2094	2101	2103	rBV2	1702616	2419332	14.44%	1.232%
76	14.468	2103	2105	2110	rVB3	591944	570653	3.40%	0.291%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-3(474+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.515	2110	2113	2115	rBV3	733932	849301	5.07%	0.433%
78	14.580	2122	2124	2129	rVB	654738	612460	3.65%	0.312%
79	14.710	2142	2146	2151	rBV	981455	1425063	8.50%	0.726%
80	14.751	2151	2153	2159	rVB3	579664	755638	4.51%	0.385%
81	14.857	2165	2171	2174	rBV	1471064	2285200	13.63%	1.164%
82	14.892	2174	2177	2181	rVB2	642936	935116	5.58%	0.476%
83	14.992	2190	2194	2199	rBV2	438636	650924	3.88%	0.332%
84	15.080	2199	2209	2214	rVV2	4609124	13591913	81.10%	6.924%
85	15.127	2214	2217	2219	rVV2	375577	448135	2.67%	0.228%
86	15.162	2220	2223	2227	rVB	763093	888741	5.30%	0.453%
87	15.245	2234	2237	2242	rBV	531854	795438	4.75%	0.405%
88	15.298	2243	2246	2250	rVV5	310545	535923	3.20%	0.273%
89	15.368	2251	2258	2263	rVB	3086209	5113607	30.51%	2.605%
90	15.427	2263	2268	2270	rBV2	2242150	3188140	19.02%	1.624%
91	15.451	2270	2272	2274	rVV	645586	714490	4.26%	0.364%
92	15.480	2274	2277	2279	rVV	800855	943317	5.63%	0.481%
93	15.509	2279	2282	2288	rVB2	752090	1095632	6.54%	0.558%
94	15.609	2295	2299	2303	rBV2	569007	711190	4.24%	0.362%
95	15.892	2343	2347	2353	rBV2	260456	388317	2.32%	0.198%
96	16.504	2444	2451	2455	rBV4	191288	465373	2.78%	0.237%
97	16.668	2476	2479	2485	rVB2	346978	576450	3.44%	0.294%
98	16.956	2518	2528	2530	rBV	1792641	3955125	23.60%	2.015%
99	17.121	2549	2556	2561	rBV3	430524	1114623	6.65%	0.568%
100	17.398	2594	2603	2610	rBV	960666	2212159	13.20%	1.127%

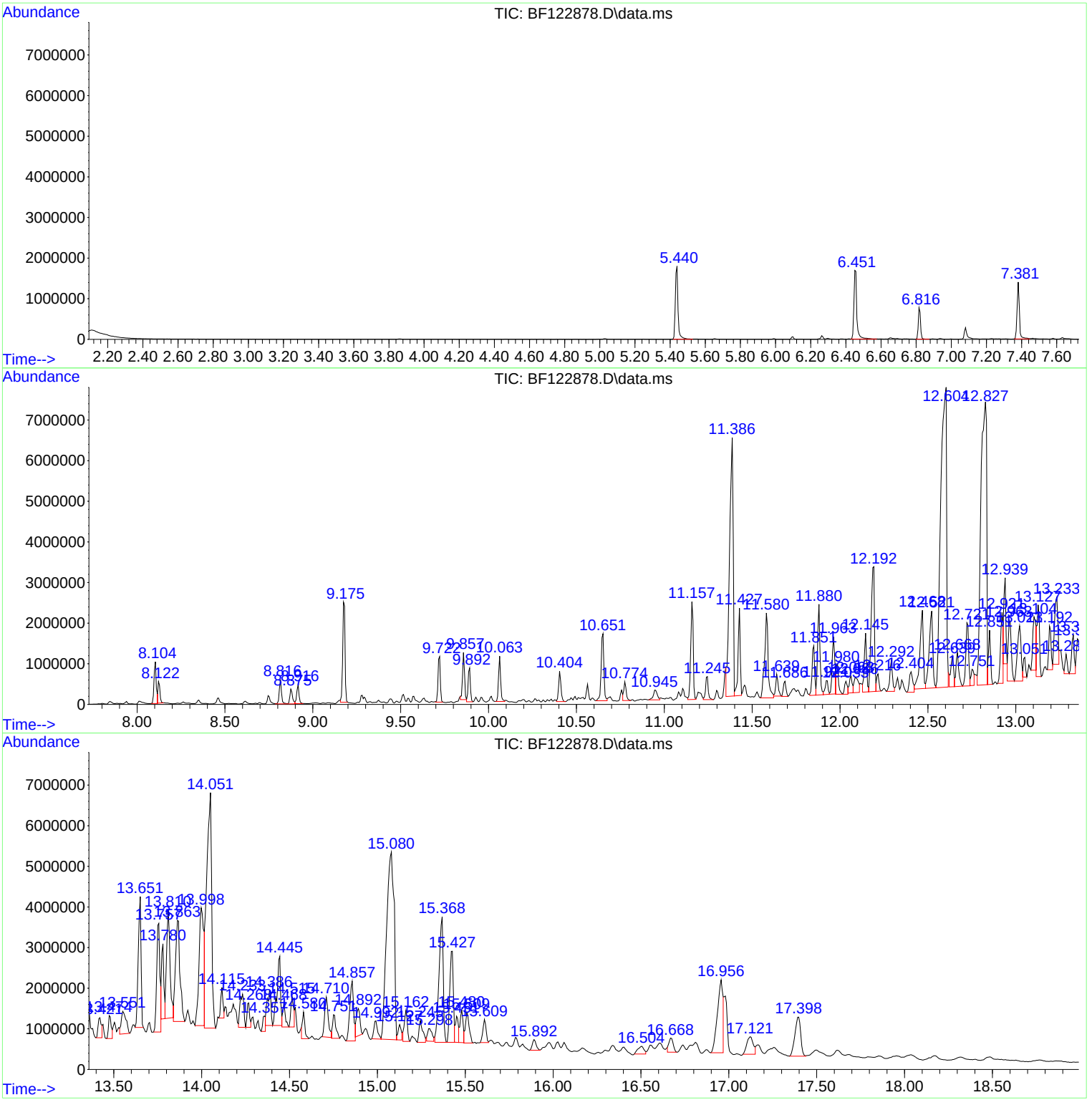
Sum of corrected areas: 196301287

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

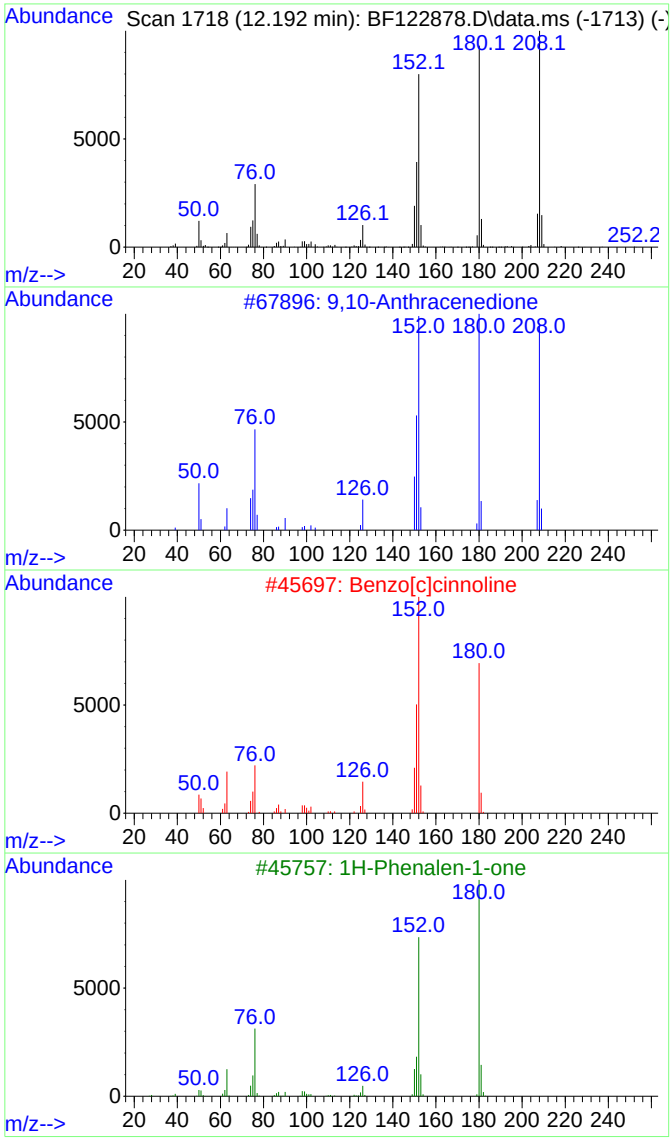
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

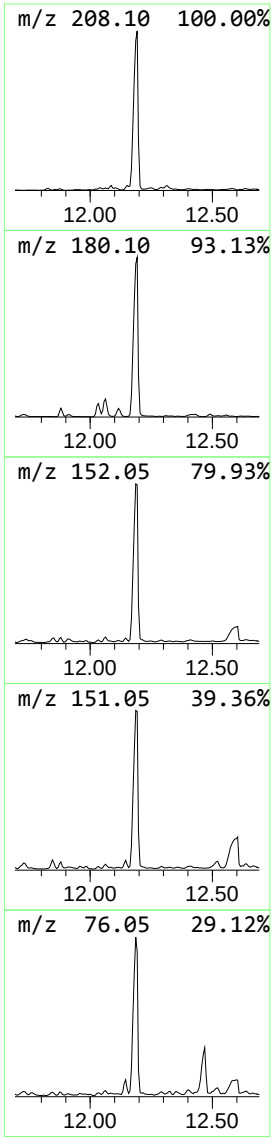
****

Peak Number 1 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	9.03 ng	4007550	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

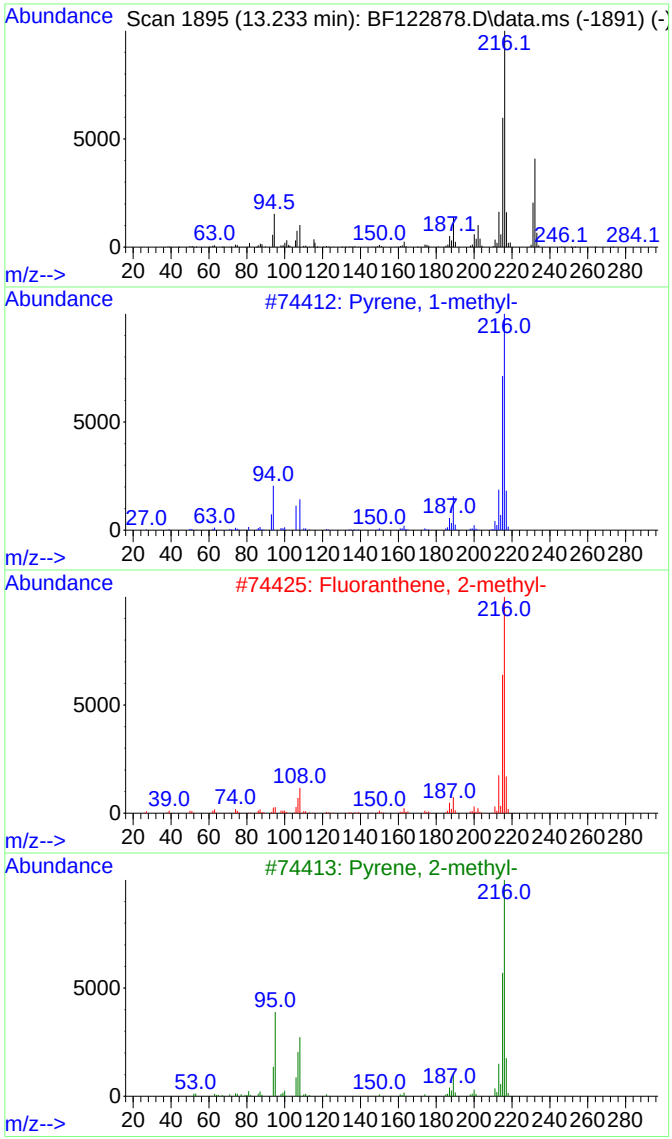
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

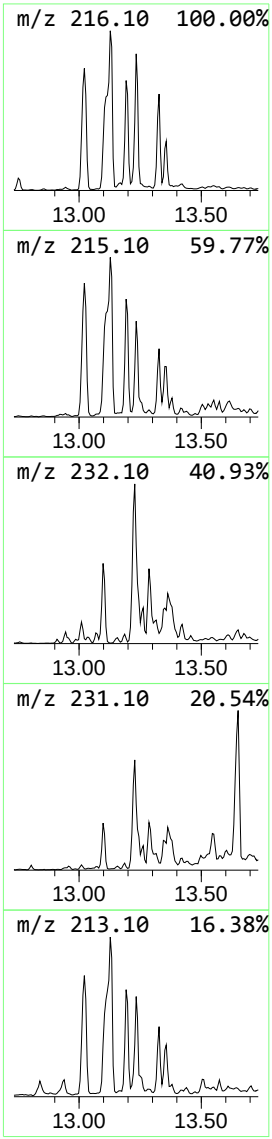
****

Peak Number 2 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	7.76 ng	2203110	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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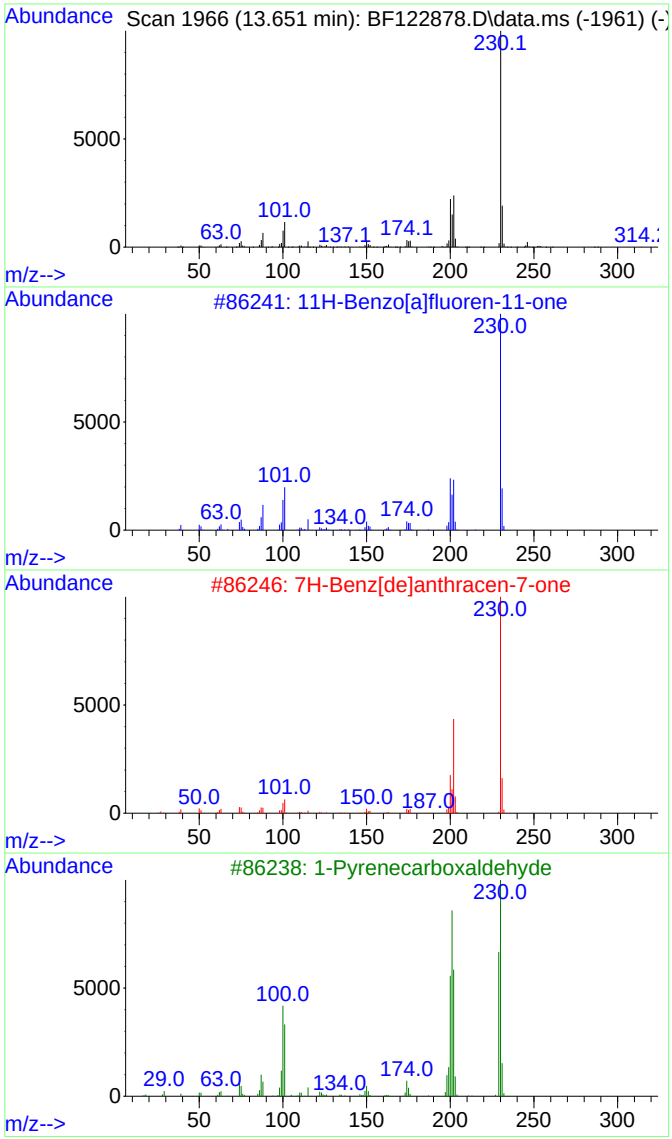
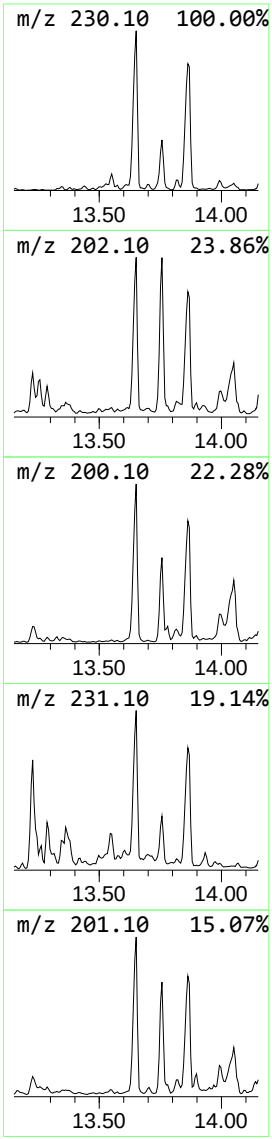
Peak Number 3 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	12.42 ng	3524040	Chrysene-d12	14.010

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	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

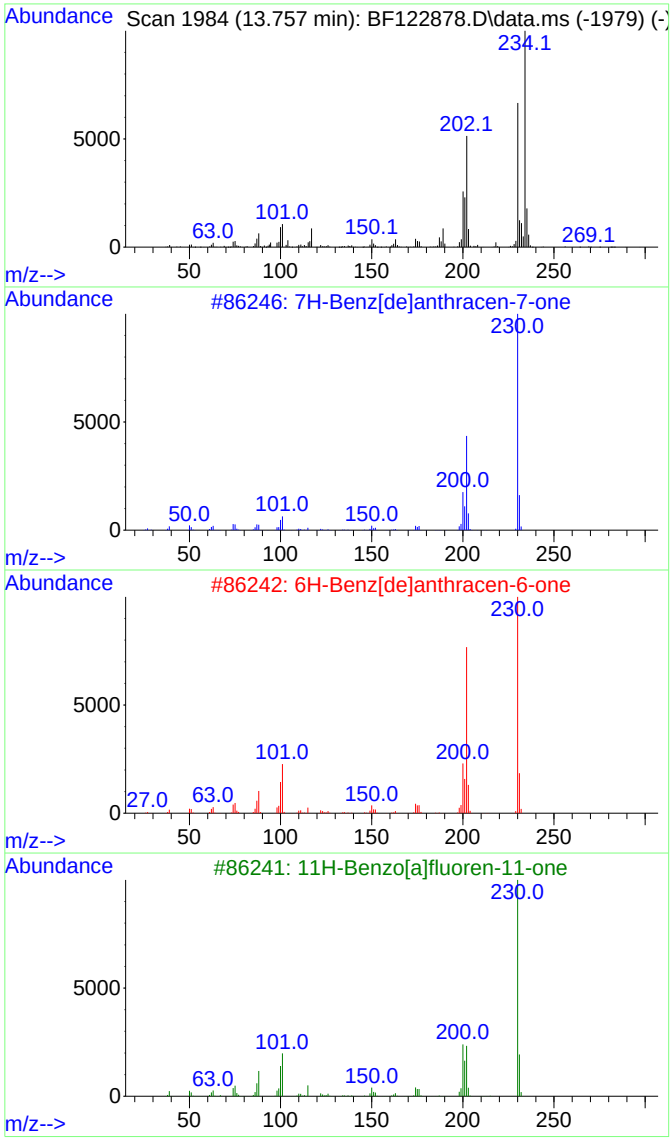
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

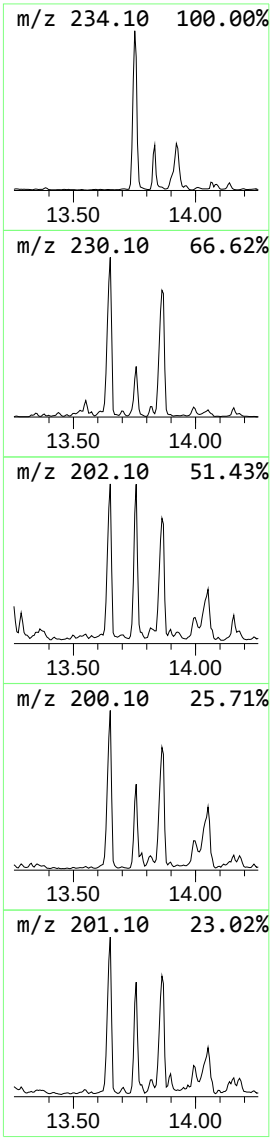
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 7H-Benz[de]anthracen-7-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	12.43 ng	3527520	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	93
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	52
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

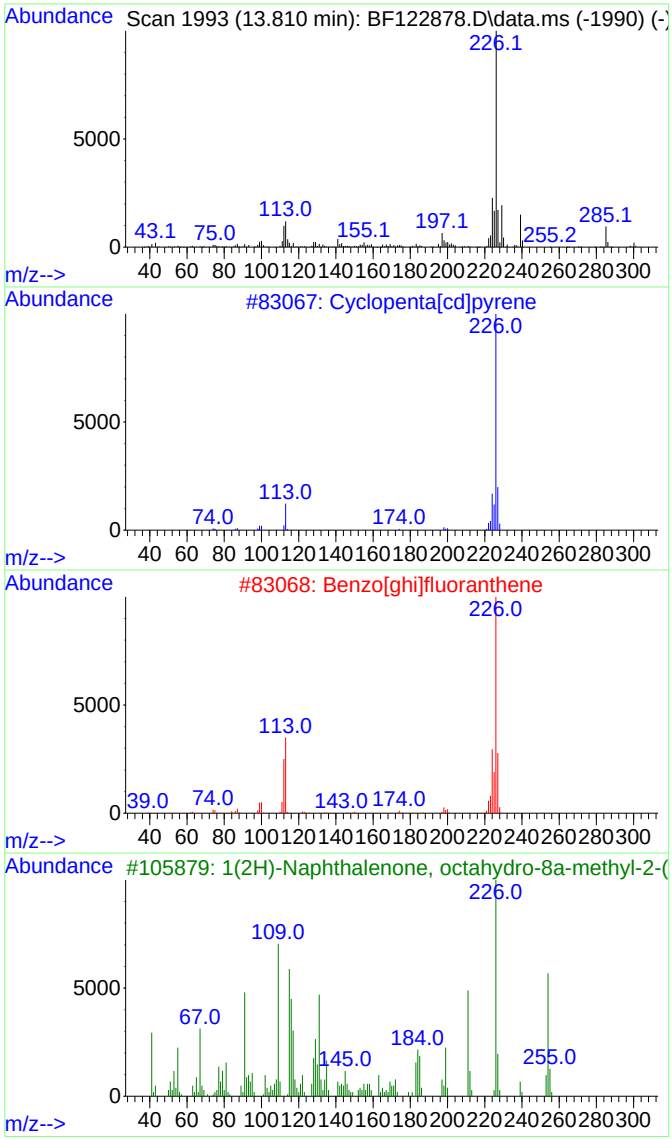
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

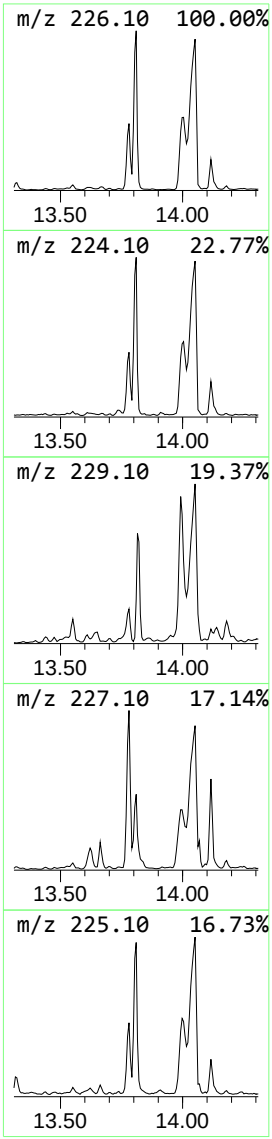
****

Peak Number 5 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	12.72 ng	3609010	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	38
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
5	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	37





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Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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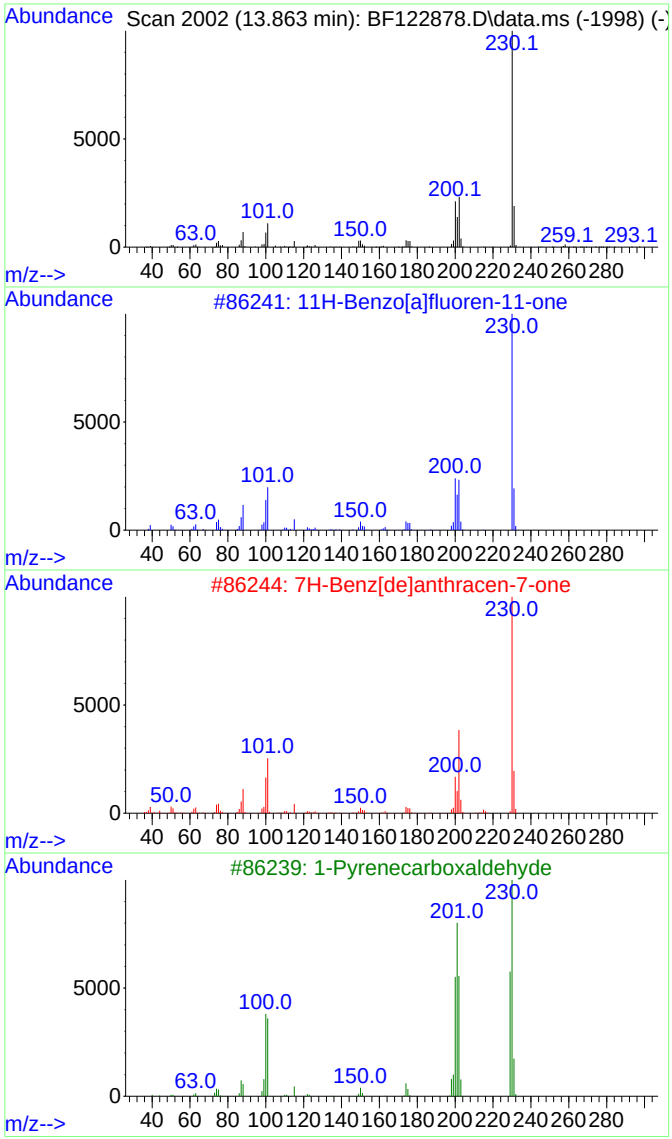
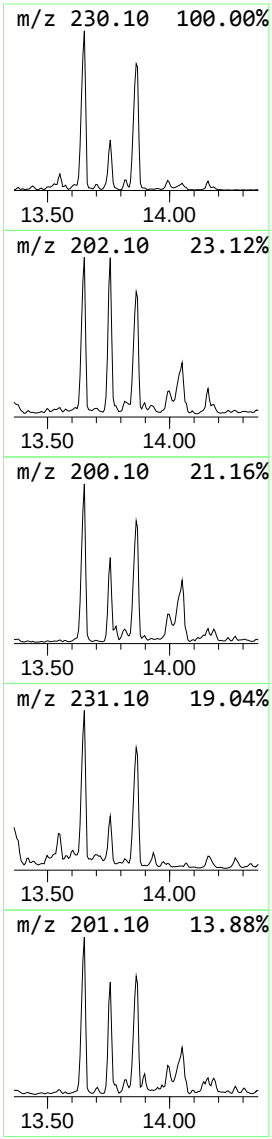
Peak Number 6 1-Pyrenecarboxaldehyde Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.863	15.50 ng	4399690	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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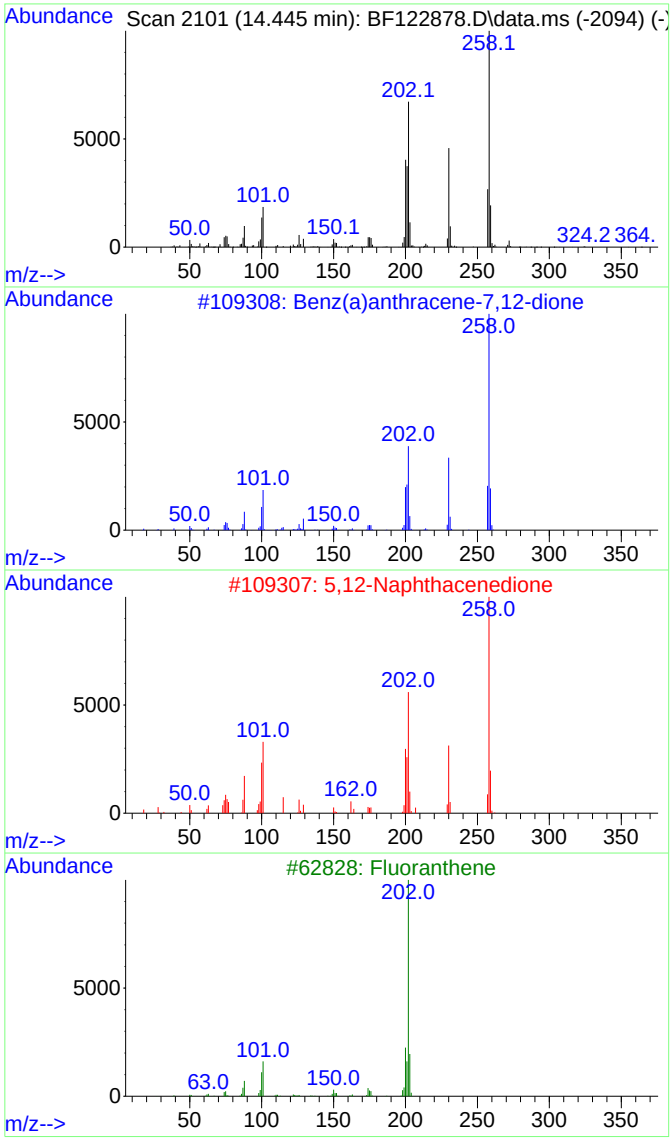
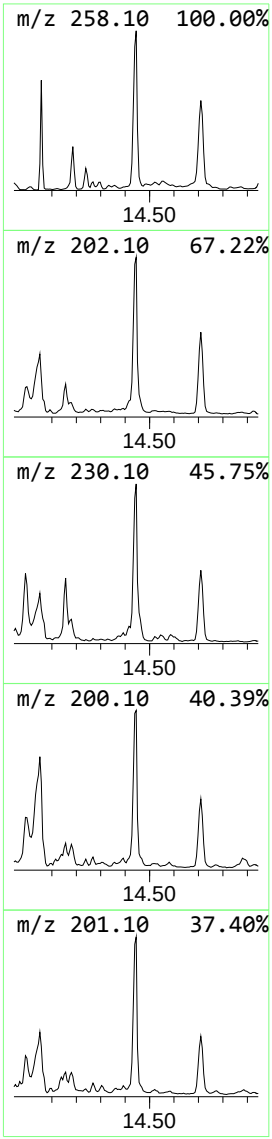
Peak Number 7 Benz(a)anthracene-7,12-dione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.445	8.53 ng	2419330	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	Fluoranthene	202	C16H10	000206-44-0	55
4	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	38
5	7,8,9,10,11,12-Hexahydrobenzo[a]...	258	C20H18	073712-71-7	32





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Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

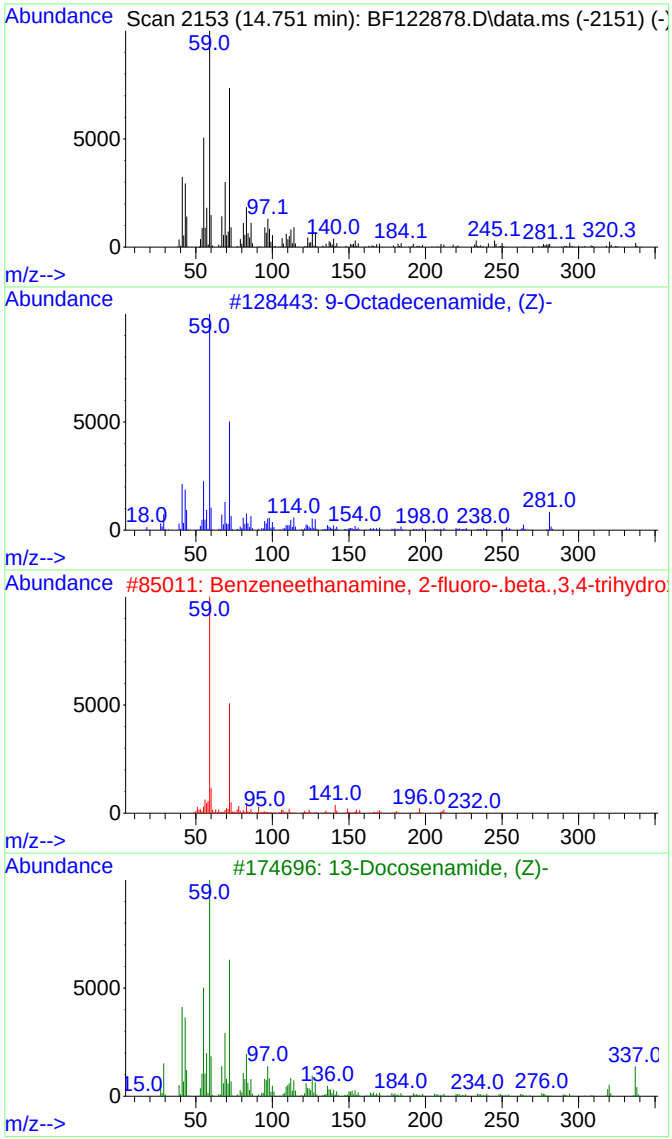
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

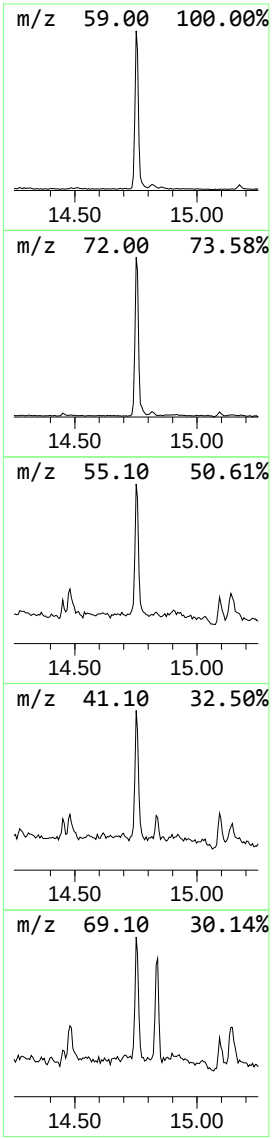
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.751	16.02 ng	755638	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	87
2	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	64
3	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	64
4	Octadecanamide	283	C18H37NO	000124-26-5	53
5	Decanamide-	171	C10H21NO	002319-29-1	47





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Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

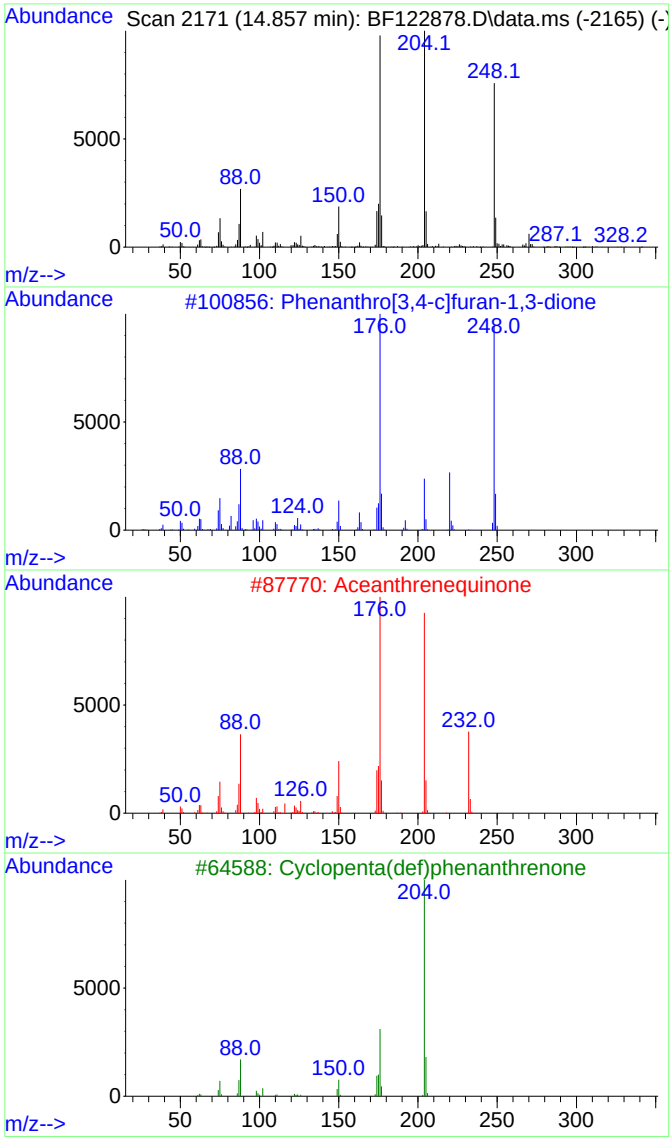
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

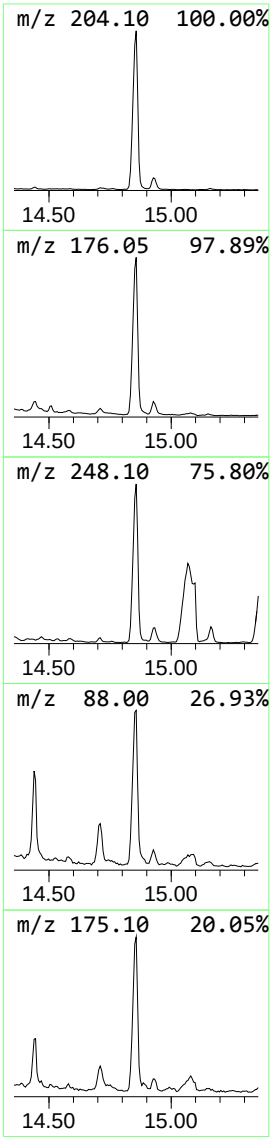
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.857	48.45 ng	2285200	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	76
2	Aceanthrenequinone	232	C16H8O2	006373-11-1	53
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	27
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	25





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Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

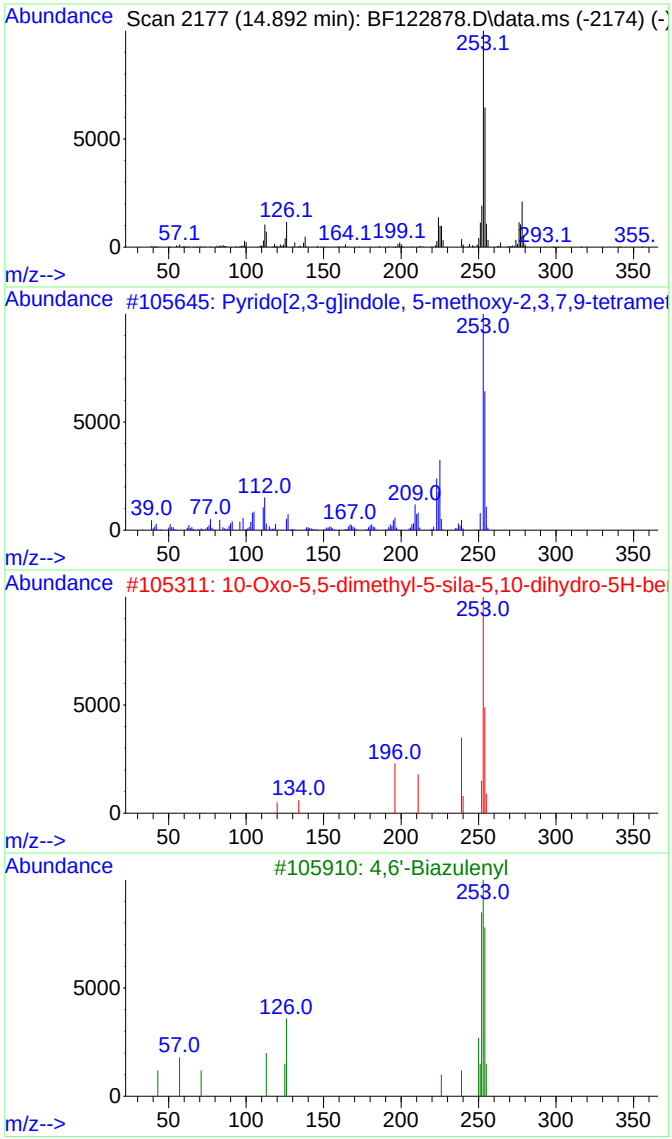
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

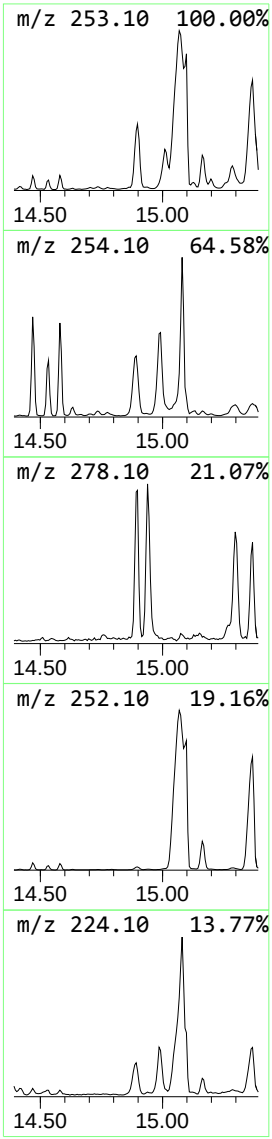
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	19.83 ng	935116	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	58
2	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	53
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	52
4	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	47
5	2-(4-Hydroxy-benzylidene)-benzo[...	254	C15H10O2S	1000297-32-7	47





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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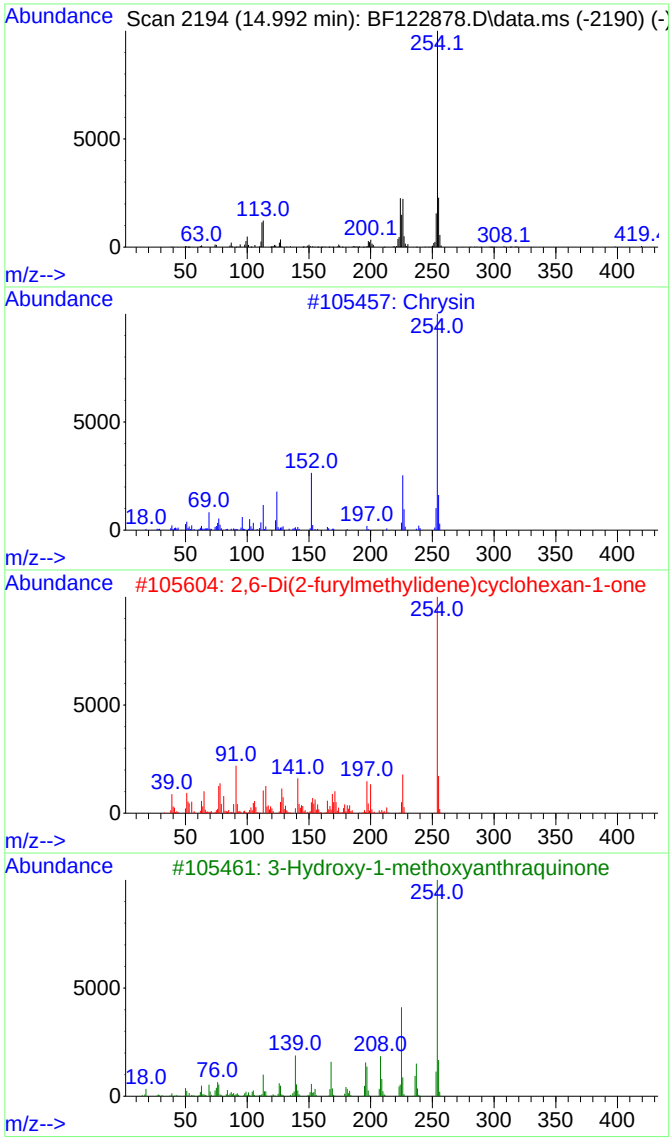
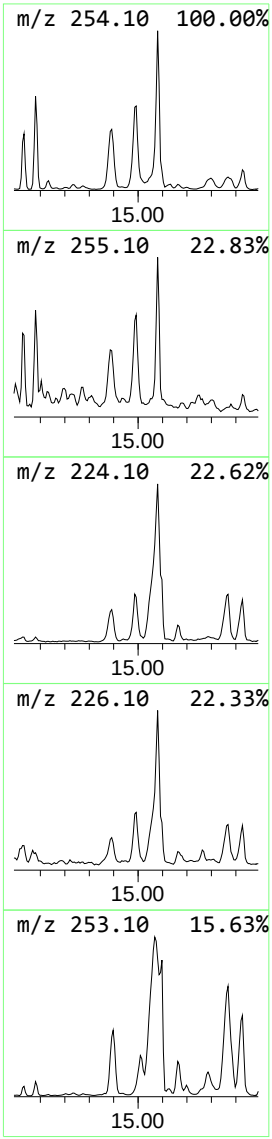
Peak Number 11 Chrysin Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.992	13.80 ng	650924	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	53
2	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	53
3	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	53
4	1H-Pyrano[2,3-c]pyrazol-6-one, 3...	254	C15H14N2O2	1000316-21-1	53
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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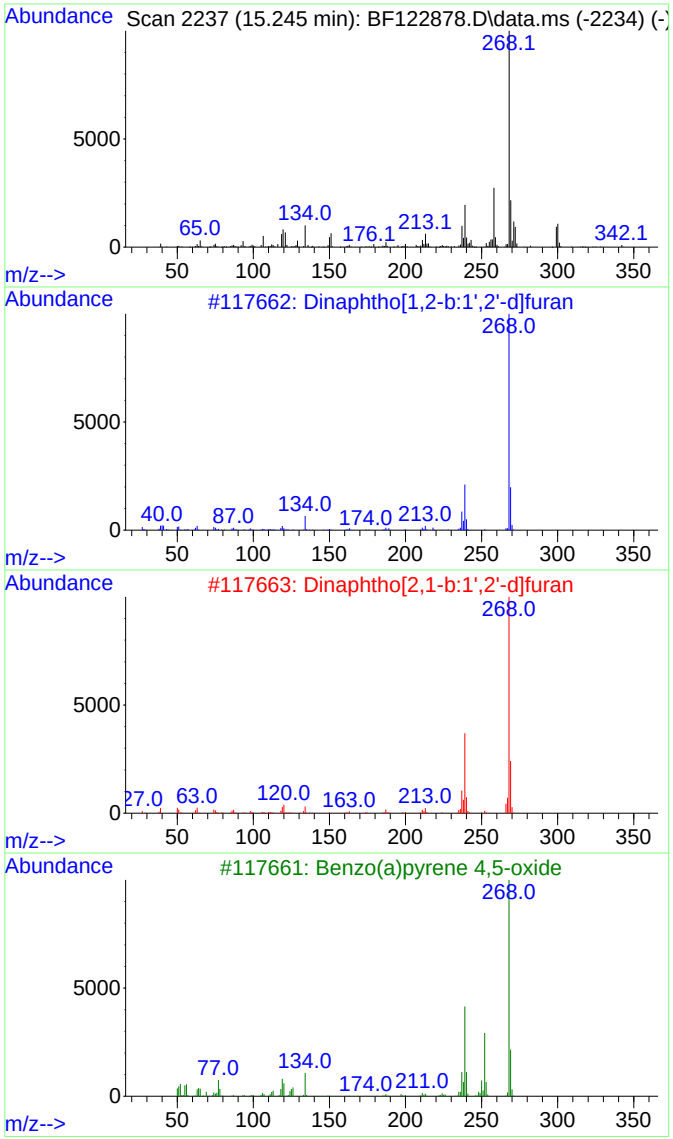
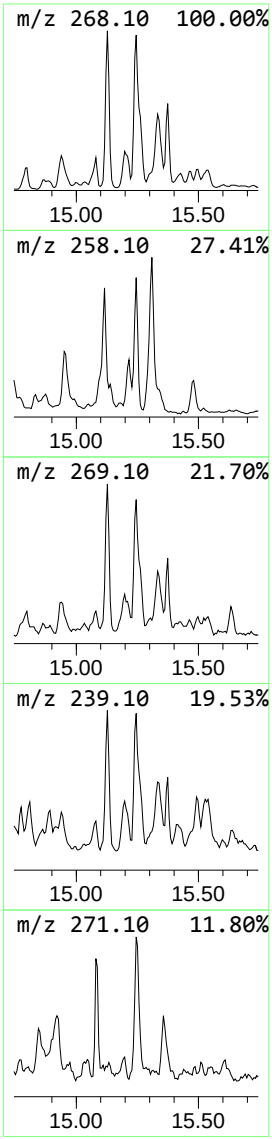
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.245	16.86 ng	795438	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	86
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50
4	4H-1-Benzopyran-4-one, 3-hydroxy...	268	C16H12O4	007478-60-6	43
5	3-Methylcholanthrene	268	C21H16	000056-49-5	43





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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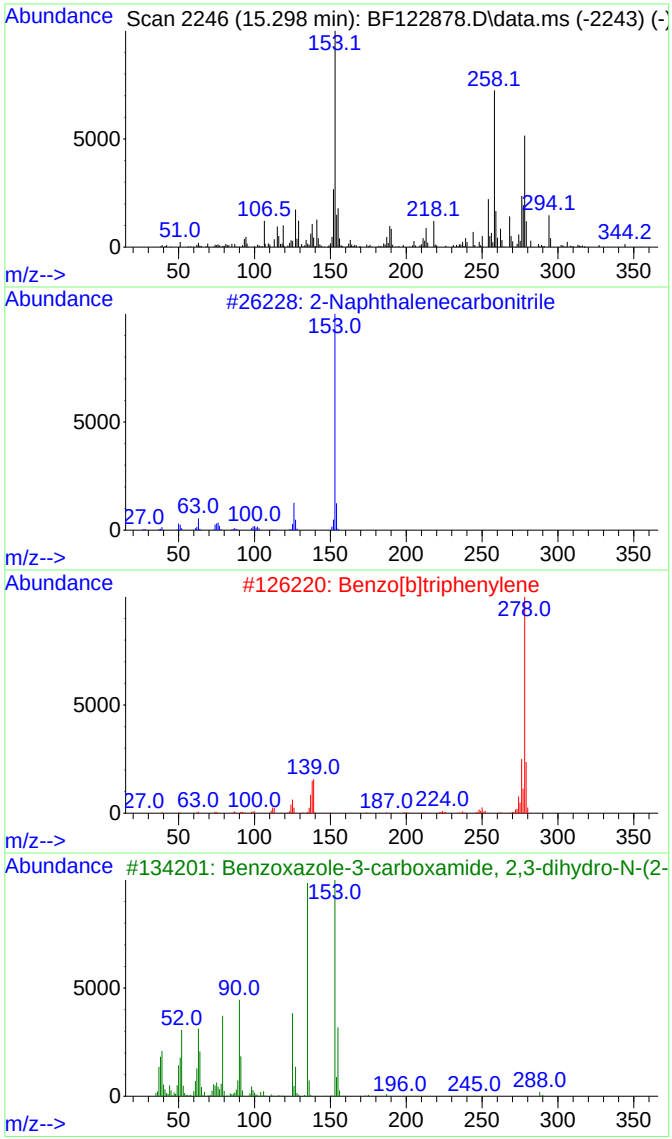
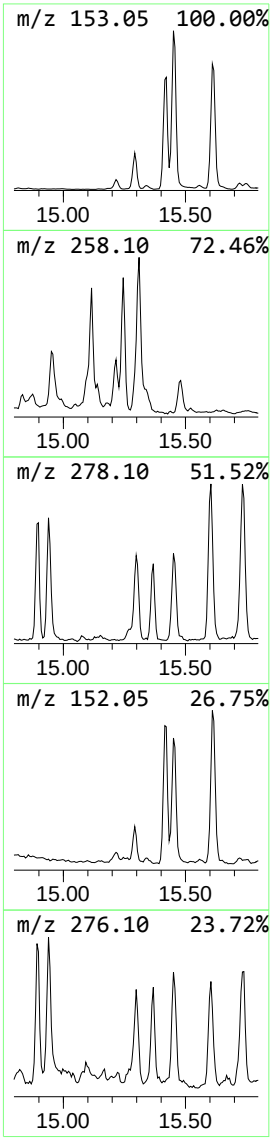
Peak Number 14 unknown15.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	11.36 ng	535923	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	18
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	15
3	Benzoxazole-3-carboxamide, 2,3-d...	288	C14H9ClN2O3	1000271-25-6	14
4	Bicyclo[4.1.0]hepta-1,3,5-triene...	278	C19H12F2	052326-84-8	14
5	3-Amino-4-hydroxybenzoic acid	153	C7H7NO3	001571-72-8	14





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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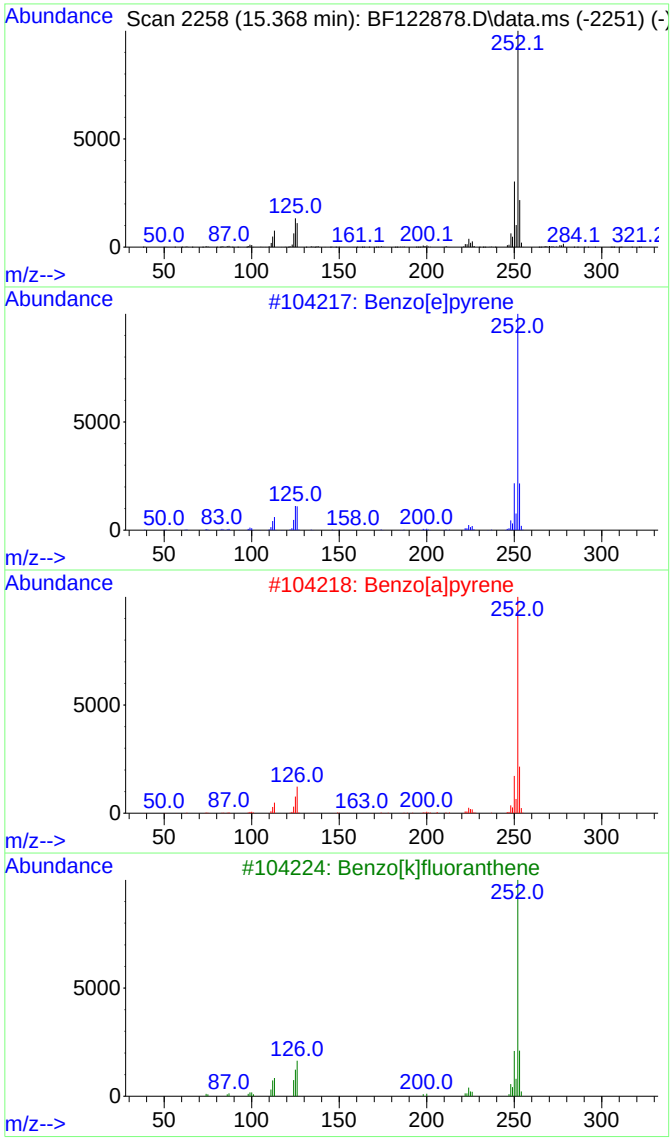
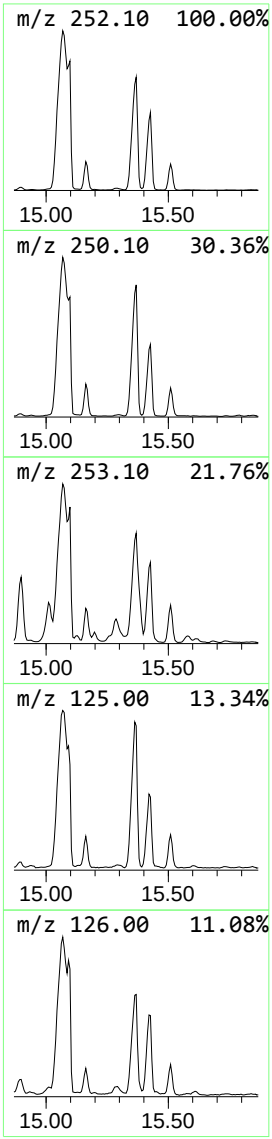
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	108.42 ng	5113610	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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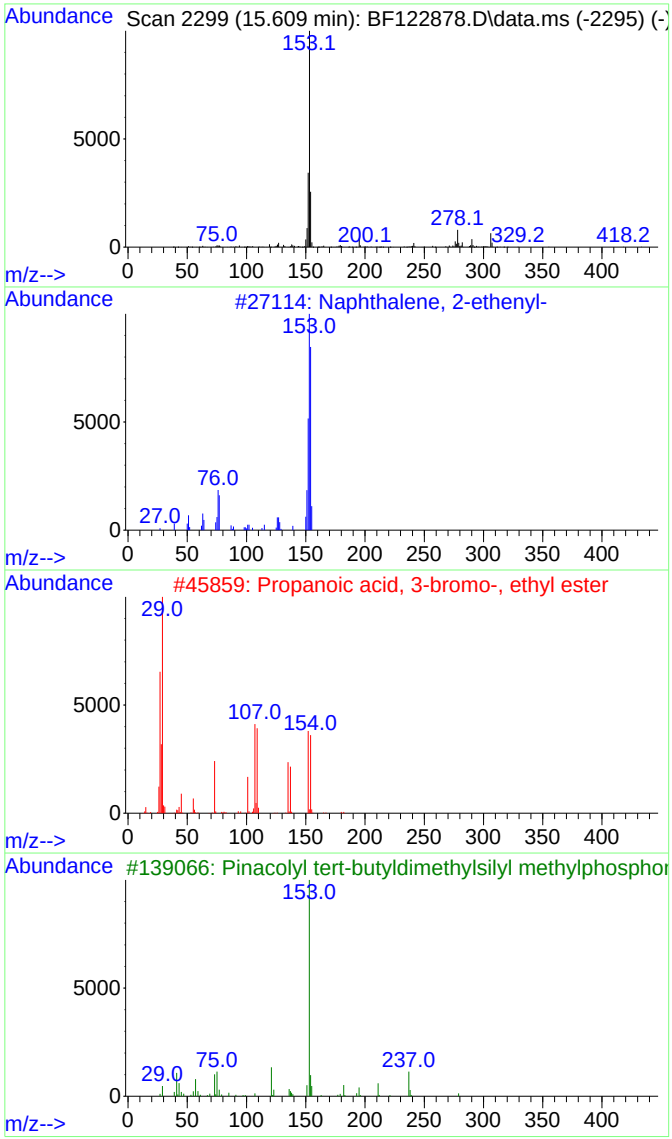
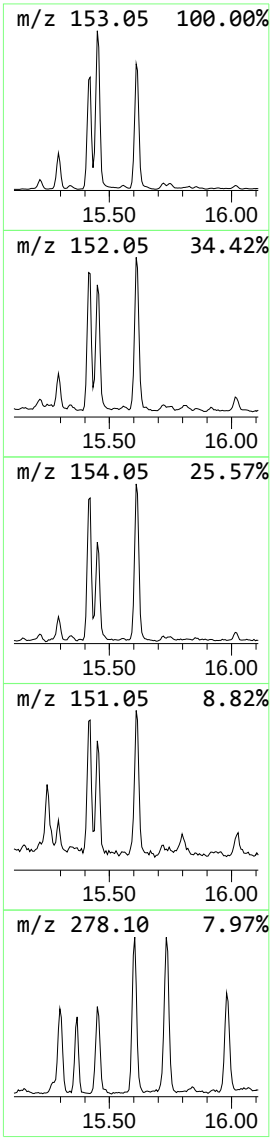
Peak Number 16 unknown15.61 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.610	15.08 ng	711190	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	9
2	Propanoic acid, 3-bromo-, ethyl ...	180	C5H9BrO2	000539-74-2	9
3	Pinacolyl tert-butyldimethylsily...	294	C13H31O3PSi	126281-77-4	9
4	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	7
5	Benzeneacetonitrile, 3,4-difluoro-	153	C8H5F2N	000658-99-1	5





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Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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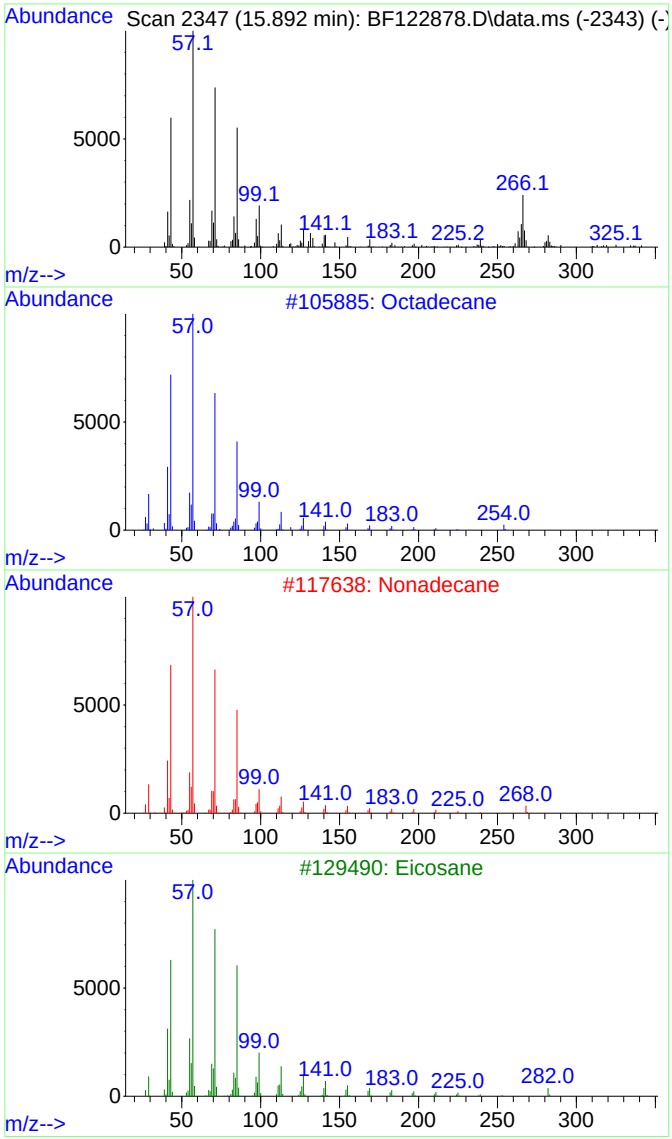
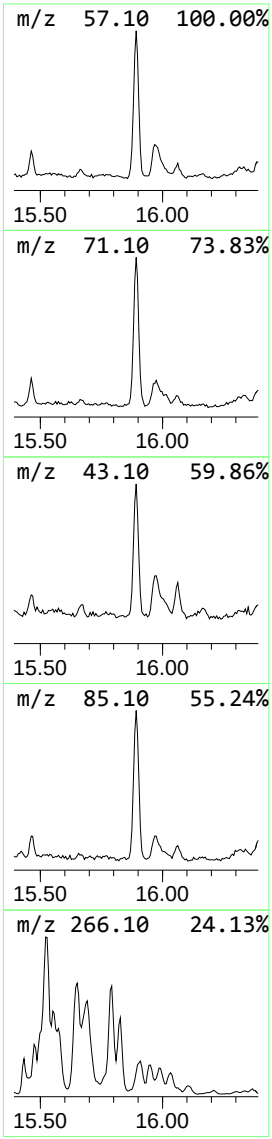
Peak Number 17 Octadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.892	8.23 ng	388317	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Nonadecane	268	C19H40	000629-92-5	96
3	Eicosane	282	C20H42	000112-95-8	90
4	Heptadecane	240	C17H36	000629-78-7	89
5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

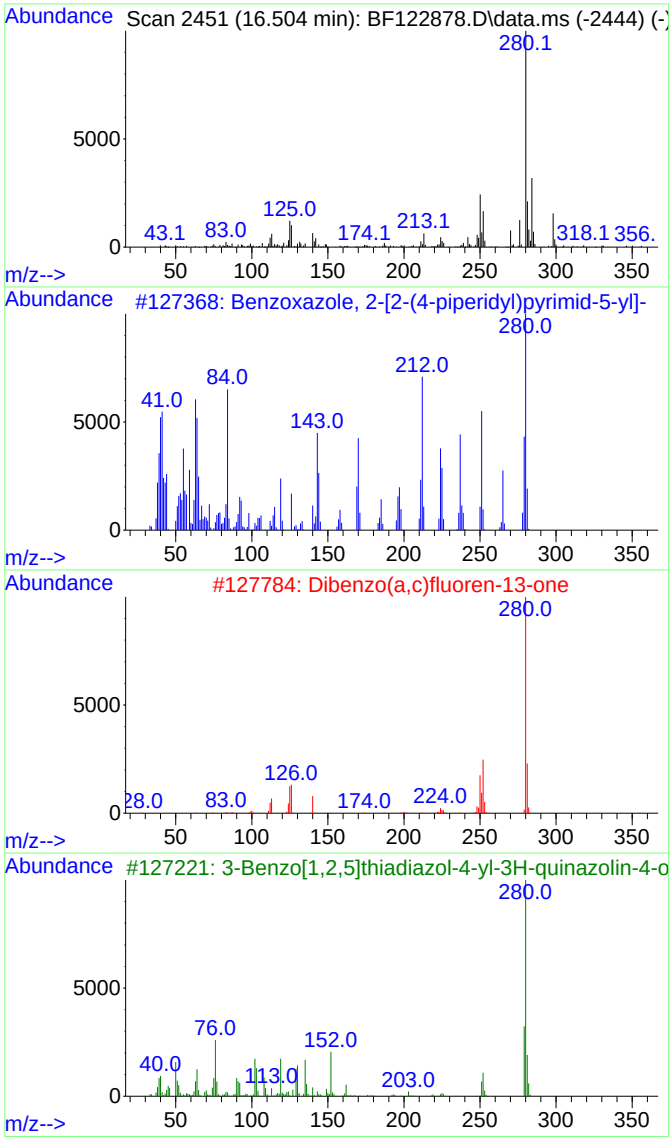
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

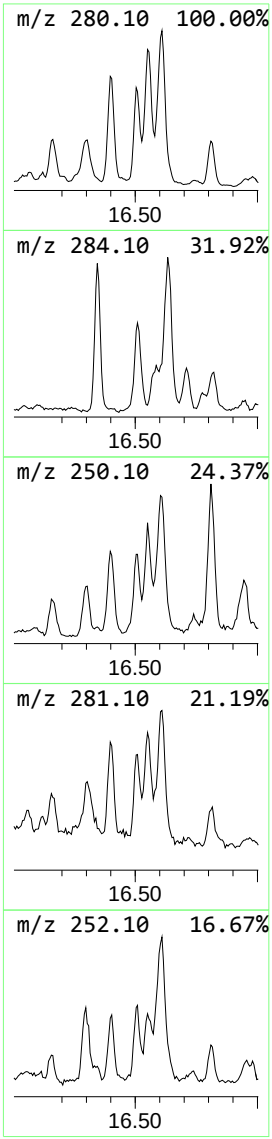
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.503	9.87 ng	465373	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	60
2	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	58
3	3-Benzo[1,2,5]thiadiazol-4-yl-3H...	280	C14H8N4OS	1000274-81-9	50
4	Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	49
5	Dibenz[a,h]anthracene, 5,6-dihydro-	280	C22H16	000153-34-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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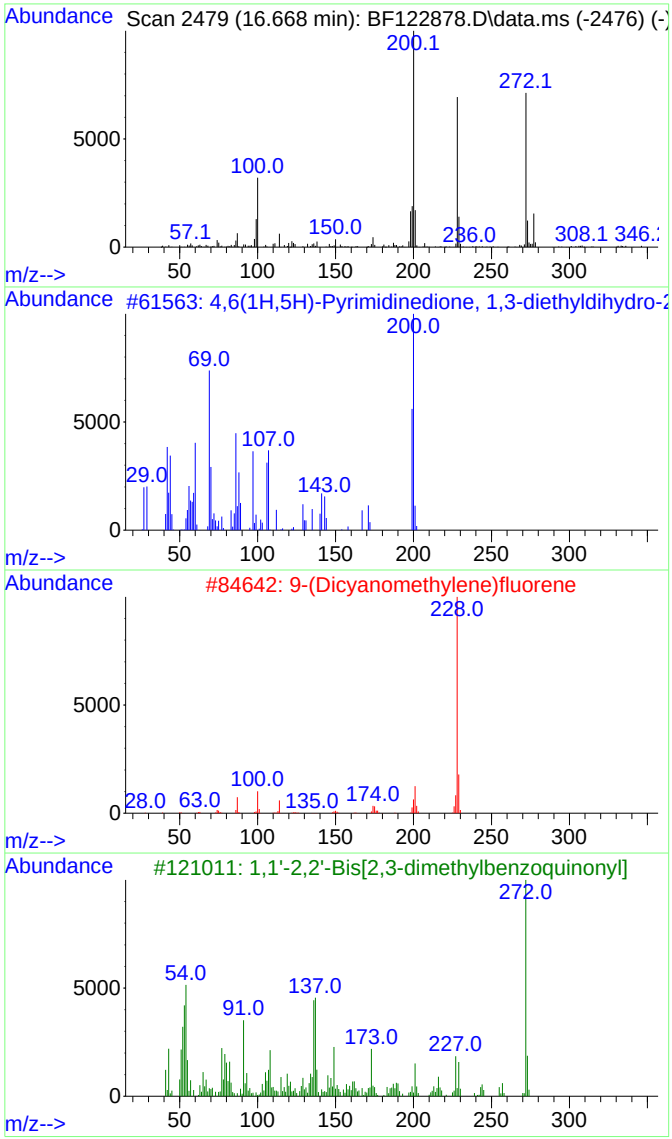
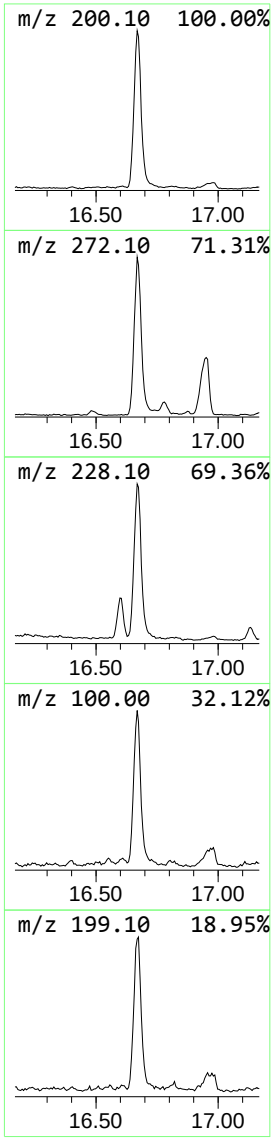
Peak Number 19 unknown16.66 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.668	12.22 ng	576450	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6(1H,5H)-Pyrimidinedione, 1,3-...	200	C8H12N2O2S	005217-47-0	22
2	9-(Dicyanomethylene)fluorene	228	C16H8N2	001989-32-8	18
3	1,1'-2,2'-Bis[2,3-dimethylbenzoq...	272	C16H16O4	098108-02-2	18
4	Ethyl 3-phenoxybenzyl carbonate	272	C16H16O4	1000373-80-2	14
5	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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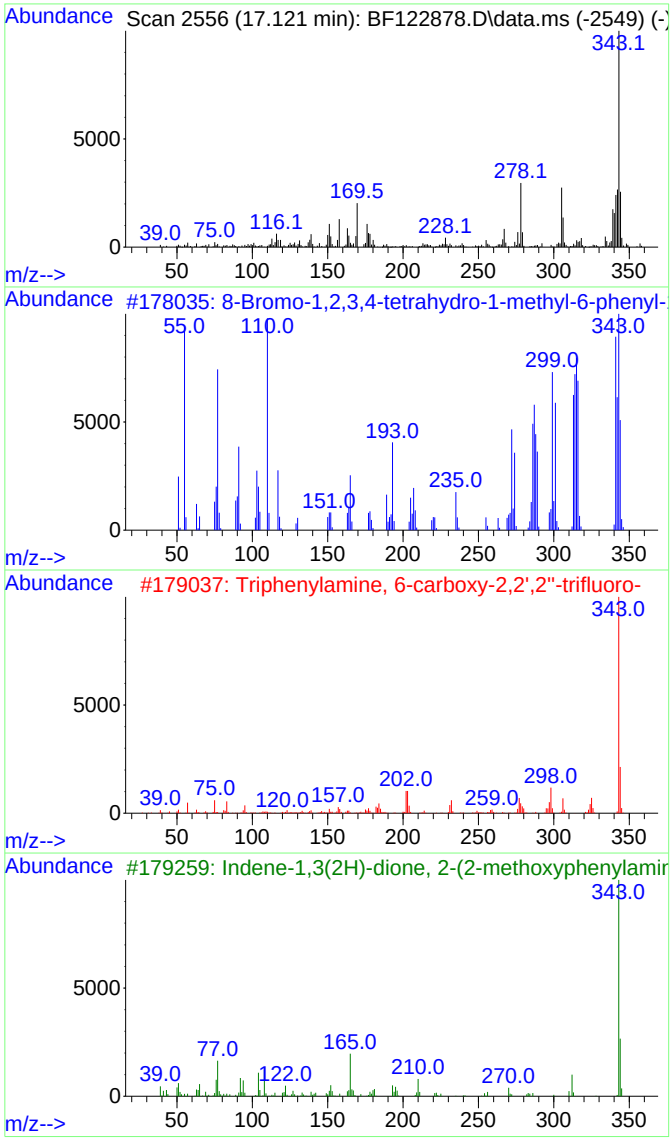
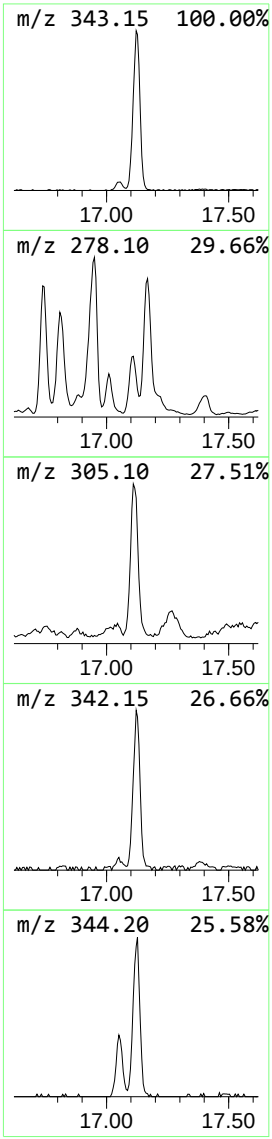
Peak Number 20 unknown17.12 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.121	23.63 ng	1114620	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	38
2	Triphenylamine, 6-carboxy-2,2',2...	343	C19H12F3NO2	1000164-86-9	38
3	Indene-1,3(2H)-dione, 2-(2-metho...	343	C22H17NO3	349497-72-9	27
4	Silane, dimethyloctyloxyundecyloxy-	358	C21H46O2Si	1000346-74-8	27
5	3-Benzyl-6-chloro-2-methyl-4-phe...	343	C23H18ClN	022608-97-5	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122878.D
Acq On : 30 Dec 2020 14:54
Operator : JU/CG
Sample : L5242-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-3(474+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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
9,10-Anthracene...	12.192	9.0	ng	4007550	4	11.351	8877190	20.0
Pyrene, 1-methyl-	13.233	7.8	ng	2203110	5	14.010	5675400	20.0
11H-Benzo[a]flu...	13.651	12.4	ng	3524040	5	14.010	5675400	20.0
7H-Benz[de]anth...	13.757	12.4	ng	3527520	5	14.010	5675400	20.0
Cyclopenta[cd]p...	13.810	12.7	ng	3609010	5	14.010	5675400	20.0
1-Pyrenecarboxa...	13.863	15.5	ng	4399690	5	14.010	5675400	20.0
Benz(a)anthrace...	14.445	8.5	ng	2419330	5	14.010	5675400	20.0
9-Octadecenamid...	14.751	16.0	ng	755638	6	15.480	943317	20.0
Phenanthro[3,4-...	14.857	48.5	ng	2285200	6	15.480	943317	20.0
Pyrido[2,3-g]in...	14.892	19.8	ng	935116	6	15.480	943317	20.0
Chrysin	14.992	13.8	ng	650924	6	15.480	943317	20.0
Dinaphtho[1,2-b...	15.245	16.9	ng	795438	6	15.480	943317	20.0
unknown15.29	15.298	11.4	ng	535923	6	15.480	943317	20.0
Benzo[e]pyrene	15.368	108.4	ng	5113610	6	15.480	943317	20.0
unknown15.61	15.610	15.1	ng	711190	6	15.480	943317	20.0
Octadecane	15.892	8.2	ng	388317	6	15.480	943317	20.0
Benzoxazole, 2-...	16.503	9.9	ng	465373	6	15.480	943317	20.0
unknown16.66	16.668	12.2	ng	576450	6	15.480	943317	20.0
unknown17.12	17.121	23.6	ng	1114620	6	15.480	943317	20.0