LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+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: BF122879.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	591	rBV	1856600	1831463	42.03%	2.929%
2	6.457	739	743	759	rBV	1799427	1796772	41.24%	2.874%
3	6.816	801	804	808	rBV	721189	654518	15.02%	1.047%
4	7.081	845	849	859	rBV	66492	73036	1.68%	0.117%
5	7.381	896	900	912	rBV	1291482	1198453	27.50%	1.917%
6	8.104	1019	1023	1026	rBV	952921	821151	18.85%	1.313%
7	8.880	1151	1155	1159	rBV	39003	49890	1.14%	0.080%
8	9.180	1201	1206	1209	rBV	2423264	2279194	52.31%	3.645%
9	9.292	1221	1225	1229	rBV	130922	130758	3.00%	0.209%
10	9.575	1269	1273	1279	rBV	128584	131243	3.01%	0.210%
11	9.716	1294	1297	1305	rVB	253786	236561	5.43%	0.378%
12	9.857	1317	1321	1325	rBV	1133989	960713	22.05%	1.537%
13	10.404	1411	1414	1418	rBV	61884	58635	1.35%	0.094%
14	10.445	1418	1421	1427	rBV2	66784	96385	2.21%	0.154%
15	10.645	1451	1455	1467	rVB	1414001	1463796	33.59%	2.341%
16	10.774	1472	1477	1483	rVB	81755	94779	2.18%	0.152%
17	11.151	1537	1541	1545	rBV	110175	94178	2.16%	0.151%
18	11.292	1562	1565	1568	rVB	91921	78674	1.81%	0.126%
19	11.345	1570	1574	1576	rBV	1110479	937466	21.51%	1.499%
20	11.369	1576	1578	1581	rVV	840744	660590	15.16%	1.057%
21	11.421	1583	1587	1590	rVV	644757	567370	13.02%	0.907%
22	11.457	1590	1593	1598	rVB	95856	106827	2.45%	0.171%
23	11.580	1608	1614	1621	rBV2	548378	624700	14.34%	0.999%
24	11.639	1621	1624	1628	rVB4	66793	72679	1.67%	0.116%
25	11.727	1635	1639	1641	rBV	46658	61680	1.42%	0.099%
26	11.845	1655	1659	1661	rBV2	130594	132028	3.03%	0.211%
27	11.874	1661	1664	1668	rVV	324416	300338	6.89%	0.480%
28	11.921	1670	1672	1675	rVB	72834	58068	1.33%	0.093%
29	11.963	1675	1679	1681	rBV	216486	257858	5.92%	0.412%
30	12.027	1687	1690	1692	rBV	86723	87617	2.01%	0.140%
31	12.057	1692	1695	1697	rVV2	86009	72159	1.66%	0.115%
32	12.080	1697	1699	1702	rBV	80382	91981	2.11%	0.147%
33	12.145	1707	1710	1712	rVV	143685	135697	3.11%	0.217%
34	12.174	1712	1715	1718	rVV	796406	653866	15.01%	1.046%
35	12.292	1730	1735	1738	rBV4	80234	105971	2.43%	0.169%
36	12.345	1742	1744	1749	rVB	56023	52046	1.19%	0.083%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+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	12.398	1749	1753	1755	rBV	140516	168326	3.86%	0.269%
38	12.421	1755	1757	1761	rVB3	137183	151595	3.48%	0.242%
39	12.492	1765	1769	1773	rBV	361534	395742	9.08%	0.633%
40	12.568	1777	1782	1785	rBV	4077888	4357367	100.00%	6.969%
41	12.627	1790	1792	1794	rVB	133878	106433	2.44%	0.170%
42	12.657	1794	1797	1800	rBV	220862	184537	4.24%	0.295%
43	12.704	1800	1805	1809	rBV3	204363	334373	7.67%	0.535%
44	12.798	1814	1821	1824	rBV2	3742597	4243525	97.39%	6.787%
45	12.839	1825	1828	1832	rVB2	190198	197294	4.53%	0.316%
46	12.910	1836	1840	1841	rBV	305209	304208	6.98%	0.487%
47	12.933	1841	1844	1846	rVV	2669771	2440563	56.01%	3.904%
48	12.951	1846	1847	1852	rVB	607660	423564	9.72%	0.677%
49	13.010	1852	1857	1860	rBV2	300925	469095	10.77%	0.750%
50	13.039	1860	1862	1865	rVV	129919	120227	2.76%	0.192%
51	13.098	1868	1872	1873	rVV3	330224	415615	9.54%	0.665%
52	13.115	1873	1875	1878	rVB	376533	373084	8.56%	0.597%
53	13.151	1878	1881	1884	rBV2	120800	135162	3.10%	0.216%
54	13.186	1884	1887	1889	rVV	258294	226618	5.20%	0.362%
55	13.221	1889	1893	1896	rVV2	418321	565332	12.97%	0.904%
56	13.280	1900	1903	1905	rVV2	144338	191433	4.39%	0.306%
57	13.315	1906	1909	1911	rVV	280882	285256	6.55%	0.456%
58	13.345	1911	1914	1918	rVV3	188956	260069	5.97%	0.416%
59	13.404	1921	1924	1927	rVB	531128	425420	9.76%	0.680%
60	13.433	1927	1929	1932	rVB2	67010	61817	1.42%	0.099%
61	13.468	1933	1935	1937	rBV2	70233	57026	1.31%	0.091%
62	13.498	1937	1940	1942	rBV4	124320	138618	3.18%	0.222%
63	13.545	1946	1948	1950	rVB2	72328	60053	1.38%	0.096%
64	13.604	1955	1958	1959	rBV3	99598	100430	2.30%	0.161%
65	13.633	1959	1963	1967	rVV	902823	826470	18.97%	1.322%
66	13.739	1977	1981	1983	rBV	831954	768202	17.63%	1.229%
67	13.768	1983	1986	1988	rVV	538729	589846	13.54%	0.943%
68	13.792	1988	1990	1995	rVV2	579016	769930	17.67%	1.231%
69	13.839	1995	1998	2002	rVV	998834	1148965	26.37%	1.838%
70	13.868	2002	2003	2006	rVB	288762	222263	5.10%	0.355%
71	13.986	2016	2023	2027	rBV3	1655456	3623942	83.17%	5.796%
72	14.021	2027	2029	2036	rVB	2608624	2682053	61.55%	4.290%
73	14.098	2040	2042	2044	rBV	198802	159069	3.65%	0.254%
74	14.121	2044	2046	2048	rVB2	226796	177928	4.08%	0.285%
75	14.221	2059	2063	2066	rVB3	228401	293388	6.73%	0.469%
76	14.251	2066	2068	2071	rVB2	160503	127015	2.91%	0.203%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+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	14.339	2081	2083	2085	rBV2	178334	167886	3.85%	0.269%
78	14.380	2088	2090	2092	rVB	238565	184712	4.24%	0.295%
79	14.427	2092	2098	2100	rBV2	618202	726641	16.68%	1.162%
80	14.457	2101	2103	2108	rVB3	135224	145135	3.33%	0.232%
81	14.504	2108	2111	2113	rBV2	310356	310717	7.13%	0.497%
82	14.574	2121	2123	2128	rVB	184621	162619	3.73%	0.260%
83	14.692	2140	2143	2146	rBV	341770	320967	7.37%	0.513%
84	14.739	2148	2151	2156	rVB	561472	563697	12.94%	0.902%
85	14.815	2161	2164	2170	rVV2	366830	652266	14.97%	1.043%
86	14.874	2171	2174	2181	rVB4	245930	423779	9.73%	0.678%
87	14.957	2186	2188	2191	rVB	198711	167578	3.85%	0.268%
88	15.045	2196	2203	2205	rBV	2504192	3952313	90.70%	6.322%
89	15.145	2216	2220	2223	rVB	276612	304317	6.98%	0.487%
90	15.227	2231	2234	2239	rBV3	170519	250592	5.75%	0.401%
91	15.339	2248	2253	2259	rVB	1392857	1875781	43.05%	3.000%
92	15.398	2259	2263	2267	rBV2	805169	950567	21.82%	1.520%
93	15.457	2268	2273	2277	rVV2	834050	1196430	27.46%	1.914%
94	15.486	2277	2278	2289	rVB2	236869	342539	7.86%	0.548%
95	15.886	2343	2346	2351	rVB	184759	268119	6.15%	0.429%
96	16.056	2372	2375	2381	rVB	94479	132892	3.05%	0.213%
97	16.627	2469	2472	2481	rVB4	148402	288697	6.63%	0.462%
98	16.921	2515	2522	2538	rVB2	656494	2081792	47.78%	3.330%
99	17.103	2546	2553	2558	rBV3	222081	562658	12.91%	0.900%
100	17.362	2590	2597	2609	rVB	413340	878040	20.15%	1.404%

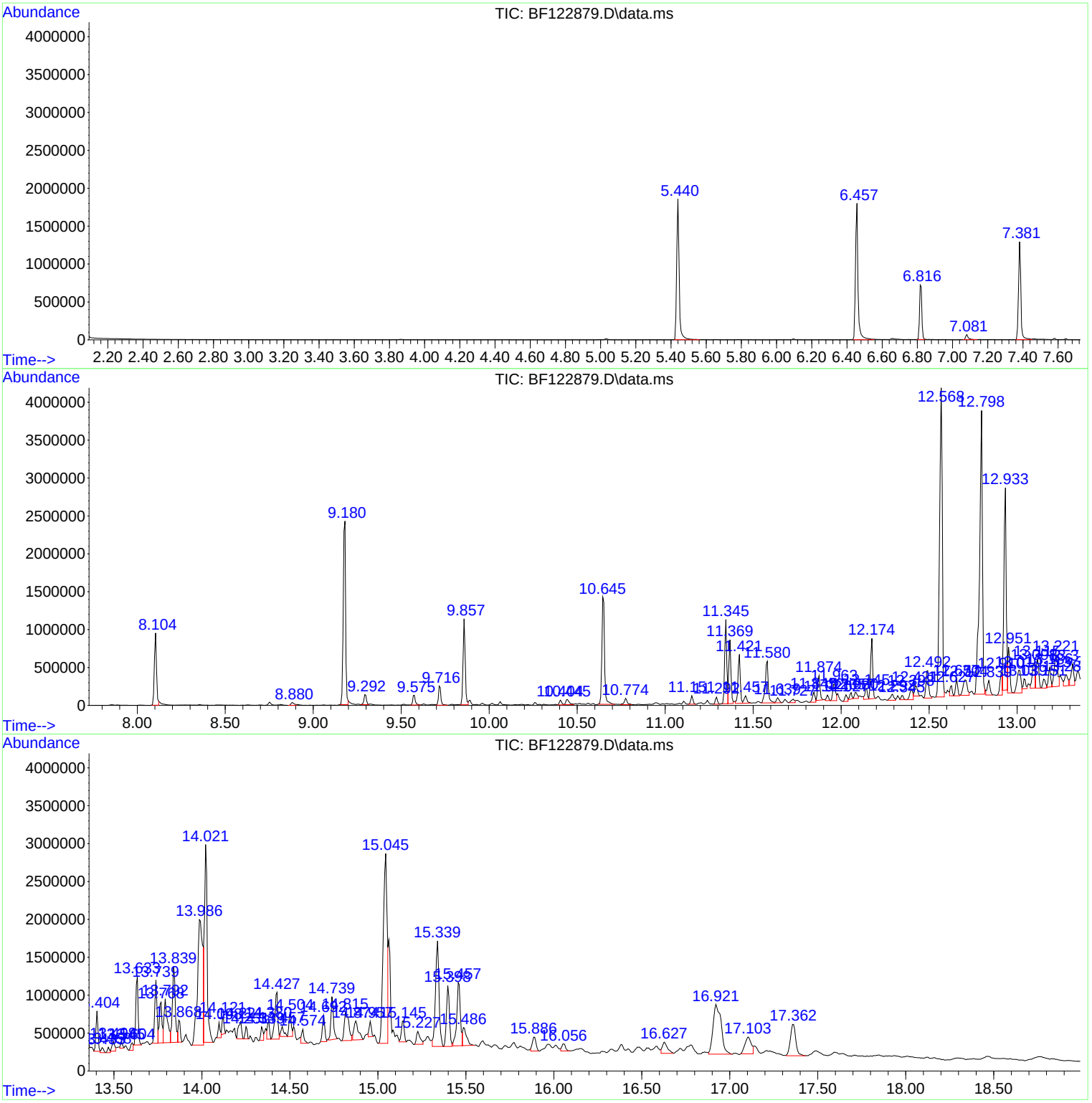
Sum of corrected areas: 62521727

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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 : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

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

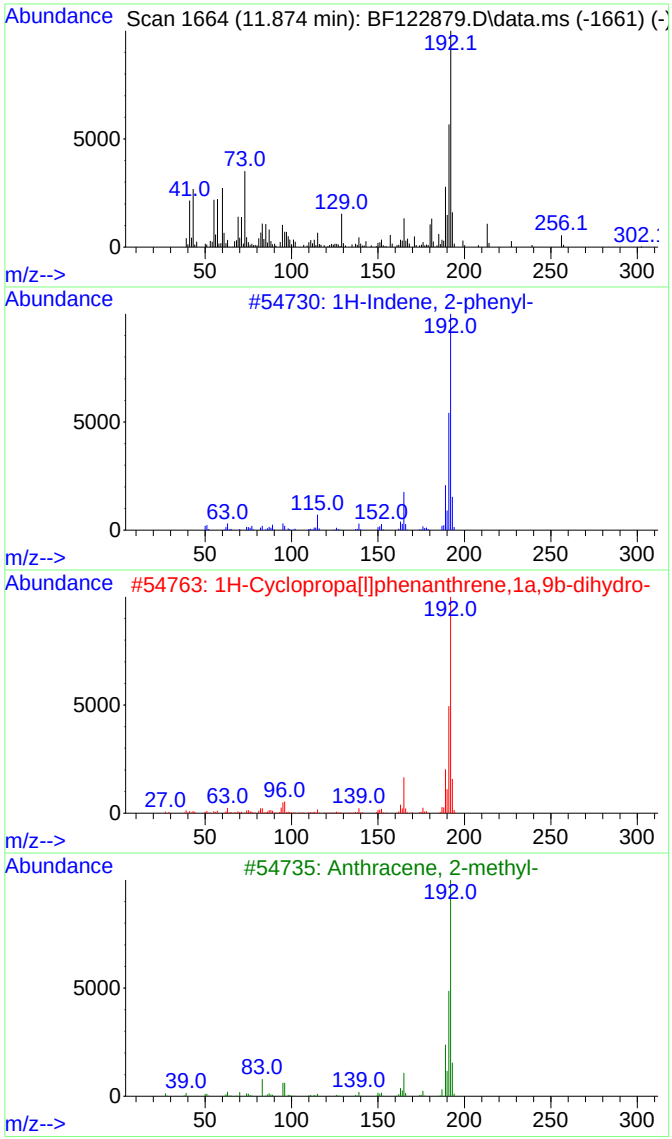
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

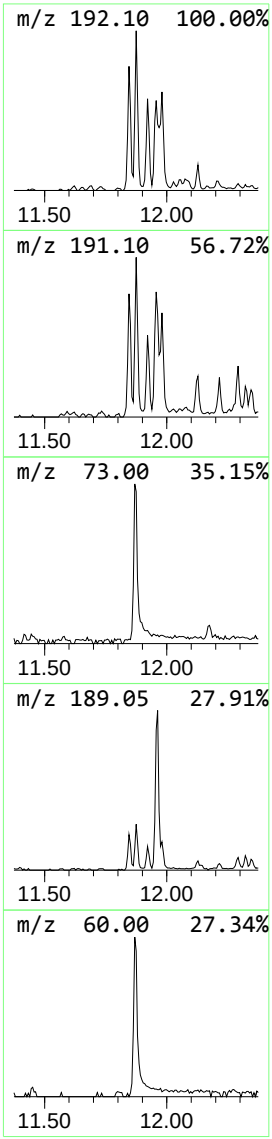
****

Peak Number 1 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	6.41 ng	300338	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

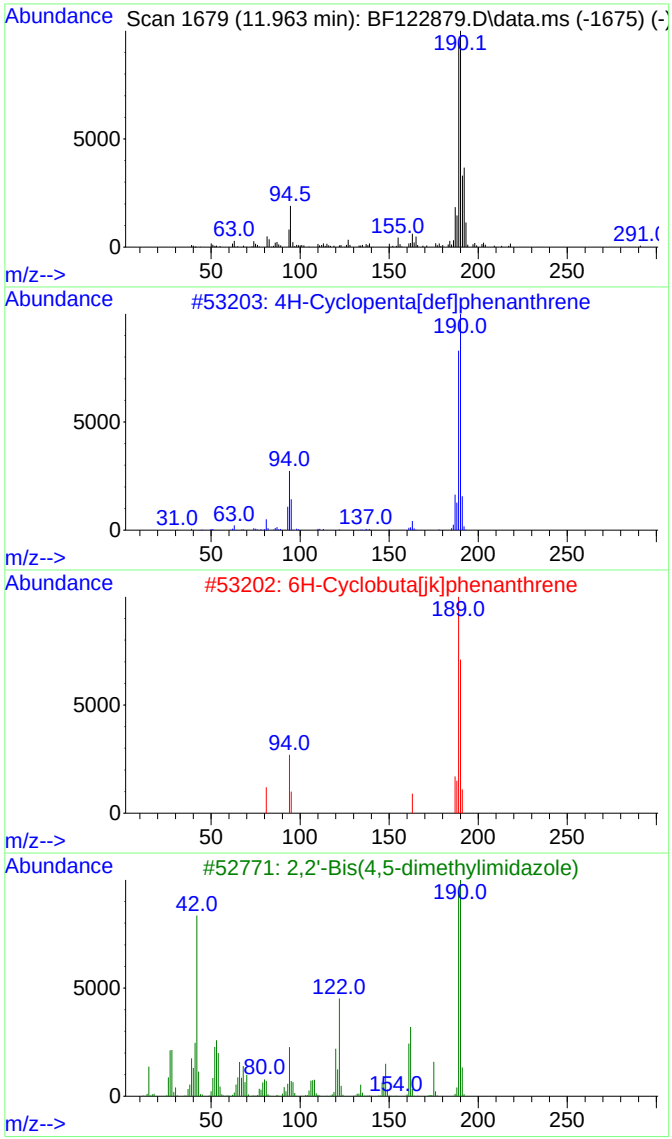
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

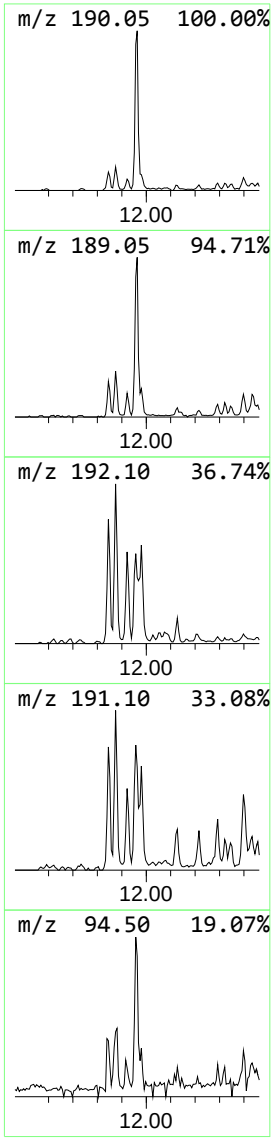
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	5.50 ng	257858	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	36
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

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

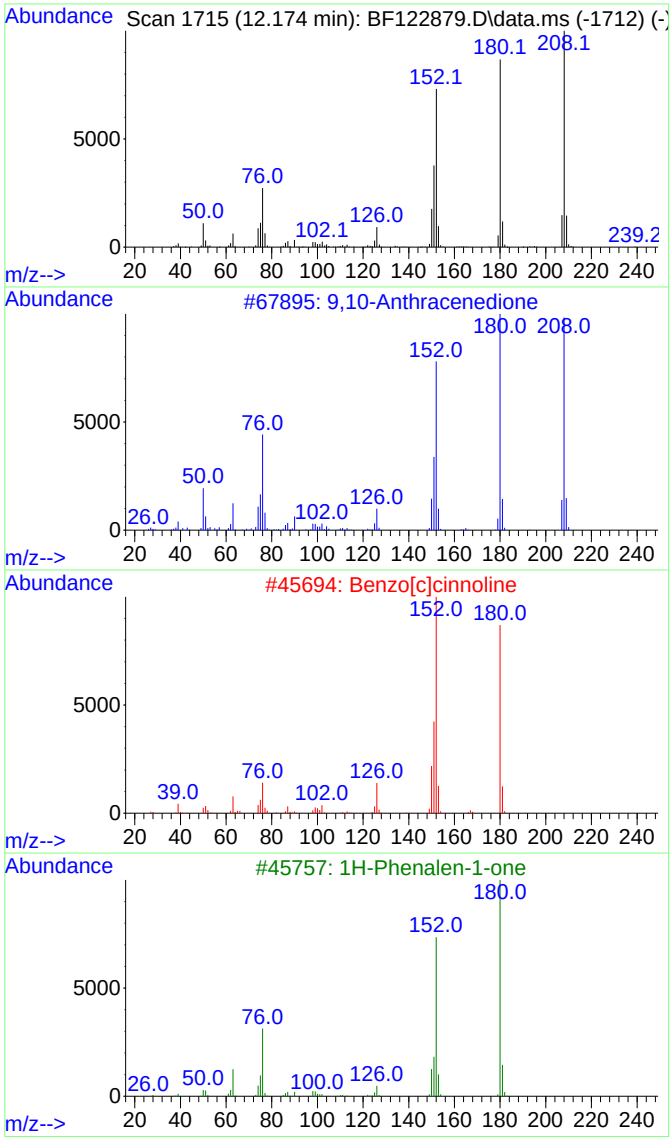
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

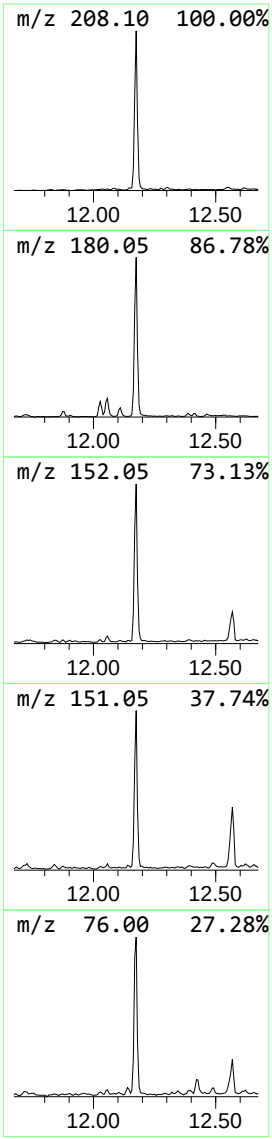
****

Peak Number 3 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	13.95 ng	653866	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

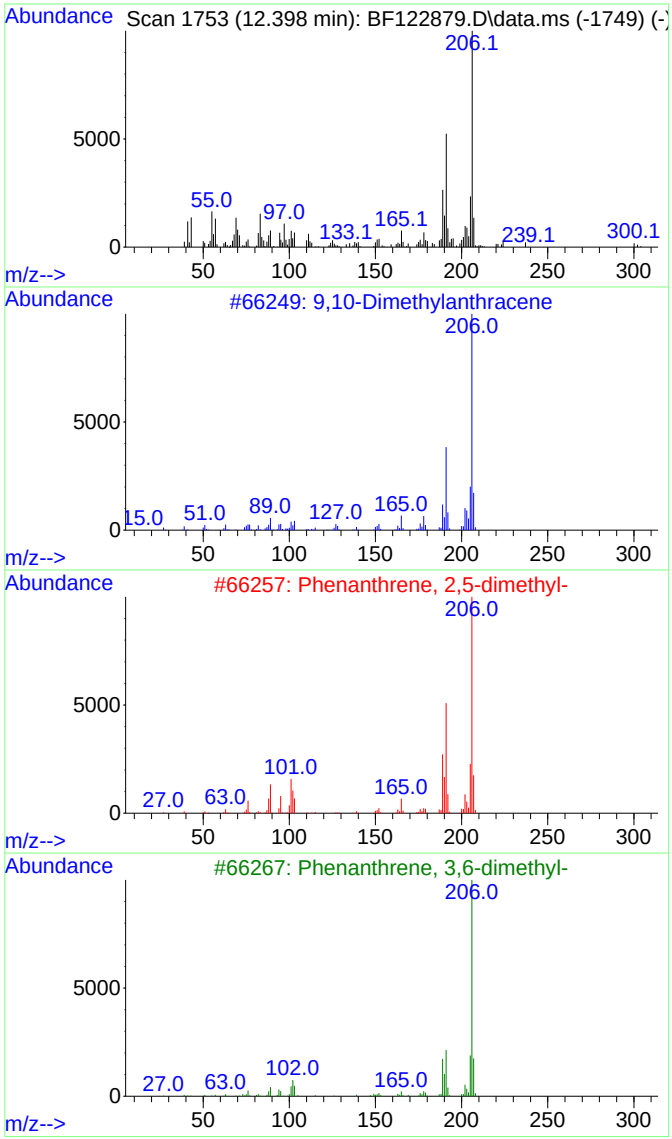
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

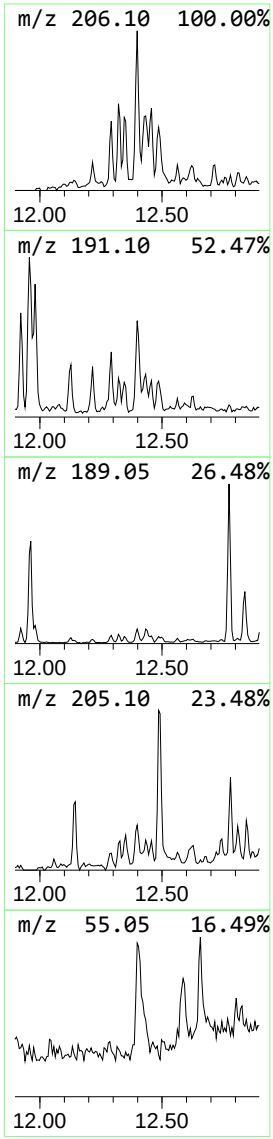
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9,10-Dimethylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	3.59 ng	168326	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+26)

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

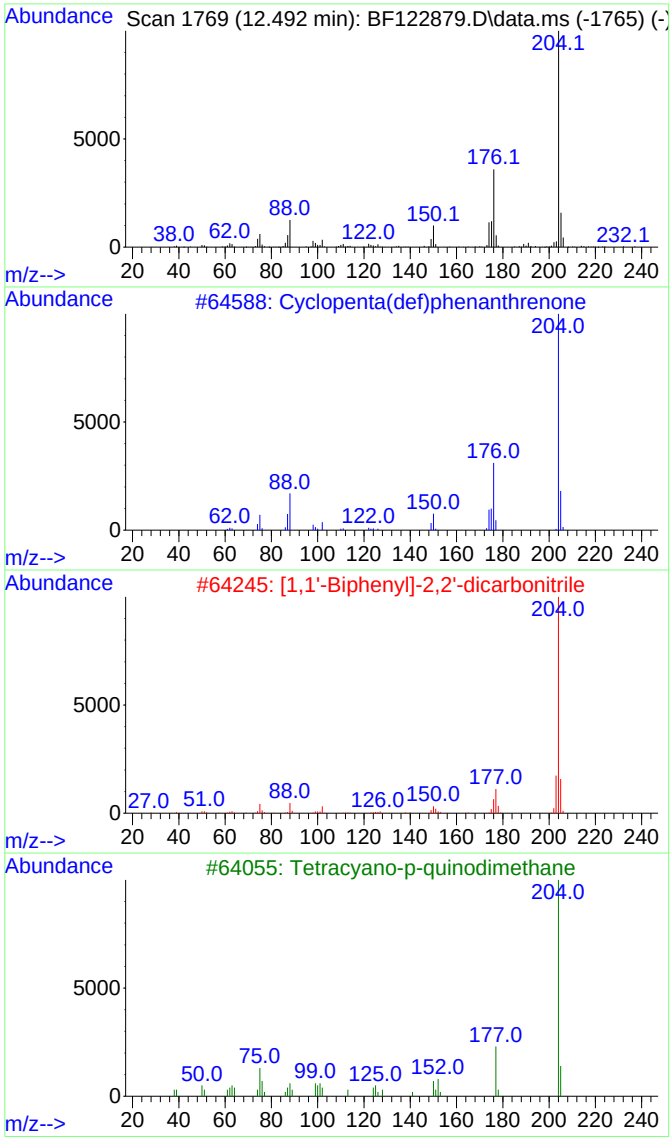
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

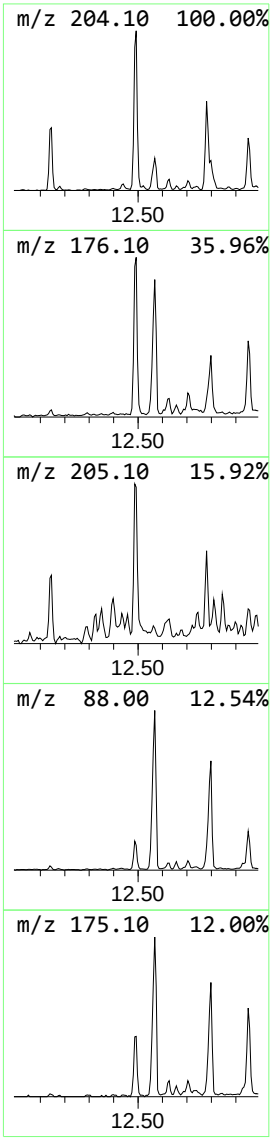
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	8.44 ng	395742	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45





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Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+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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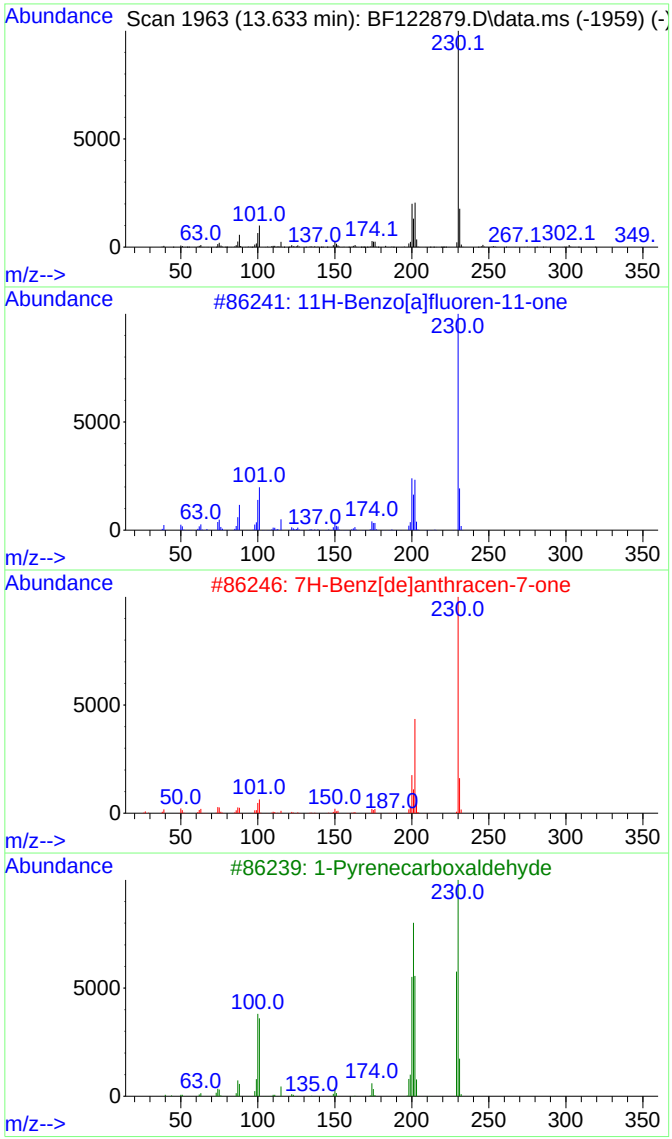
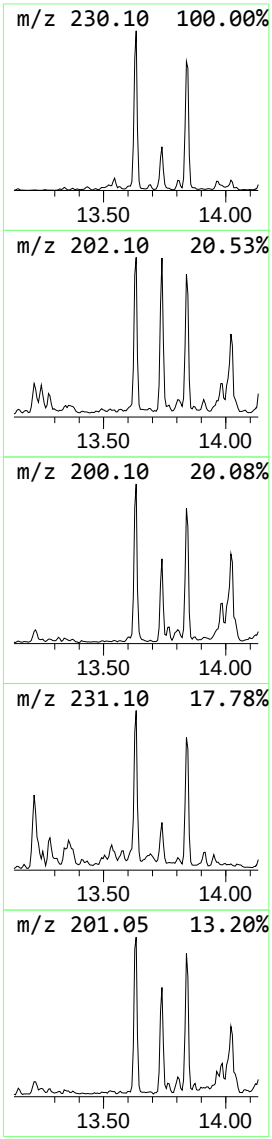
Peak Number 7 1-Pyrenecarboxaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.633	4.56 ng	826470	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	53





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Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+26)

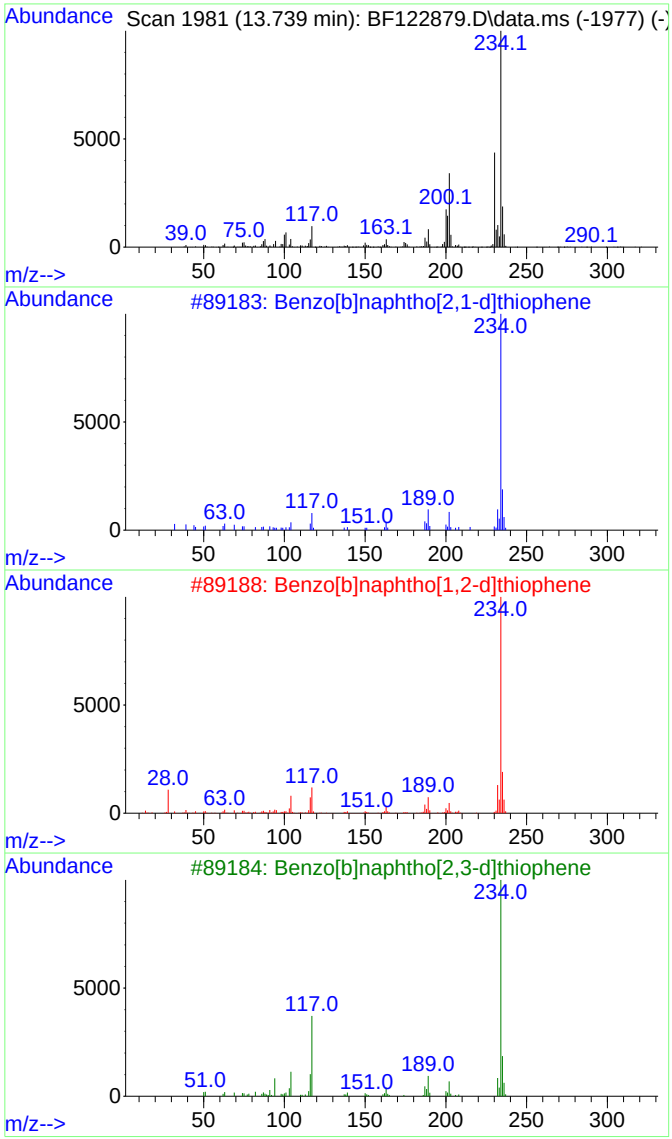
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

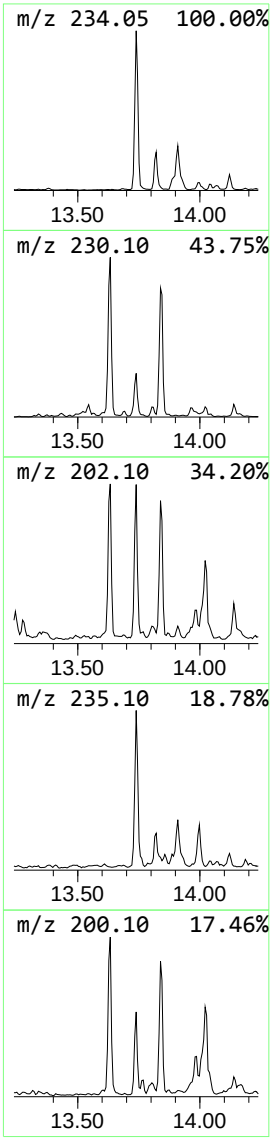
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	4.24 ng	768202	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	49
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	38





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Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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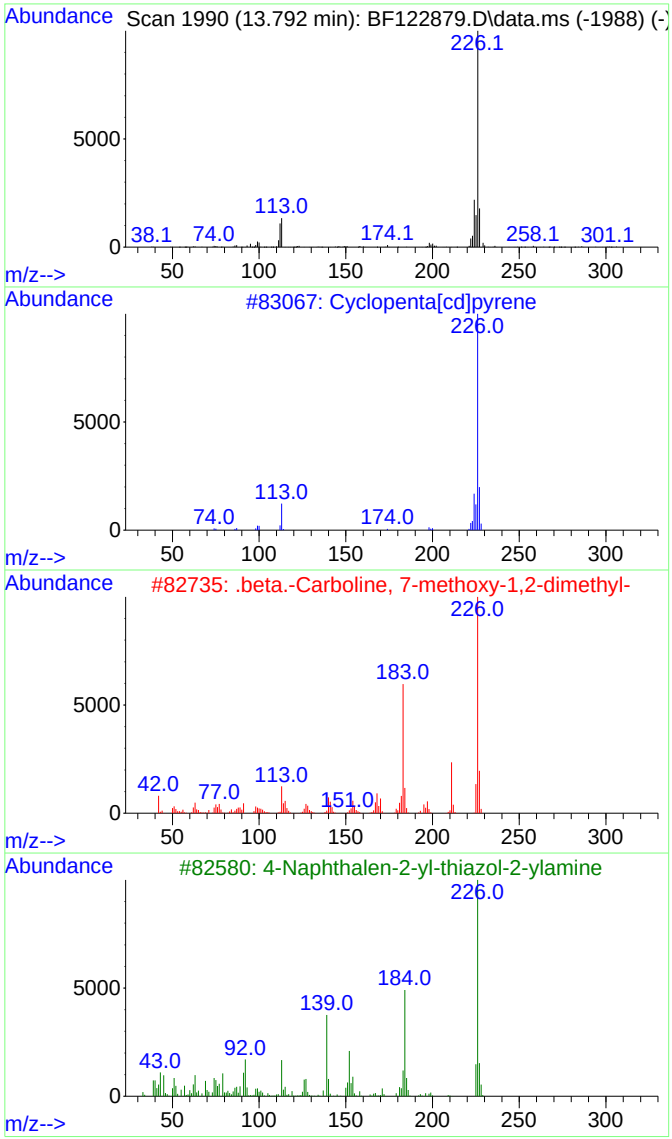
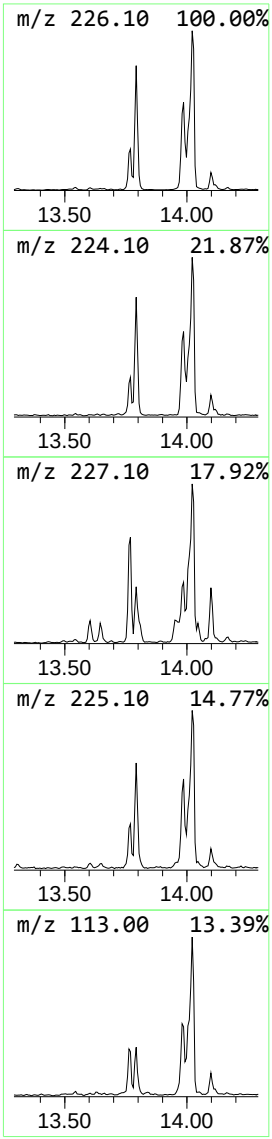
Peak Number 9 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	4.25 ng	769930	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	36





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Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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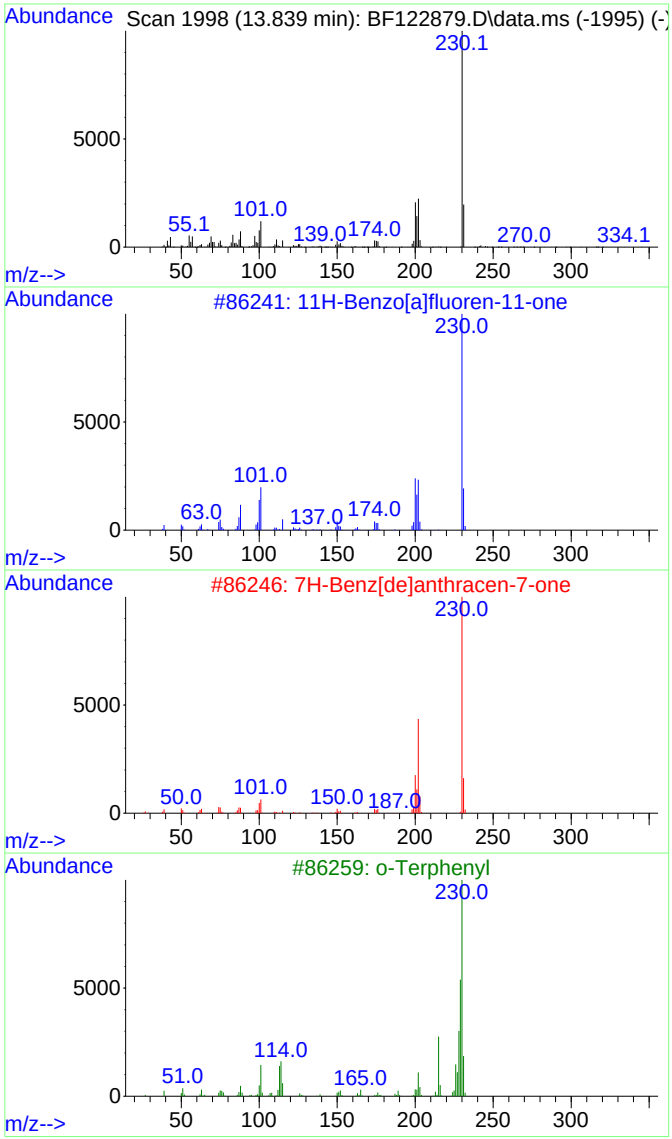
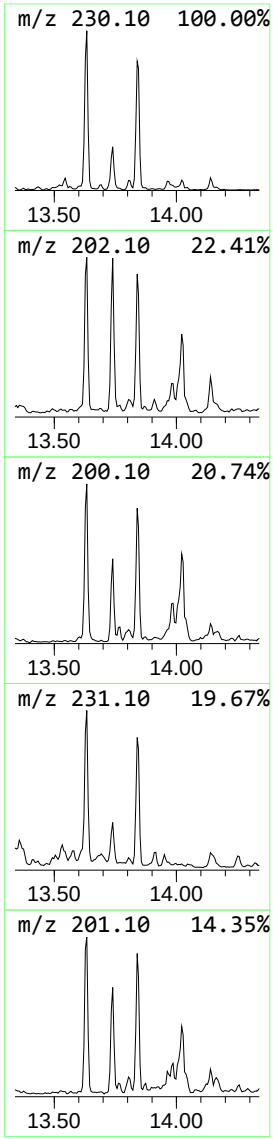
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	6.34 ng	1148970	Chrysene-d12	13.992

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	90
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

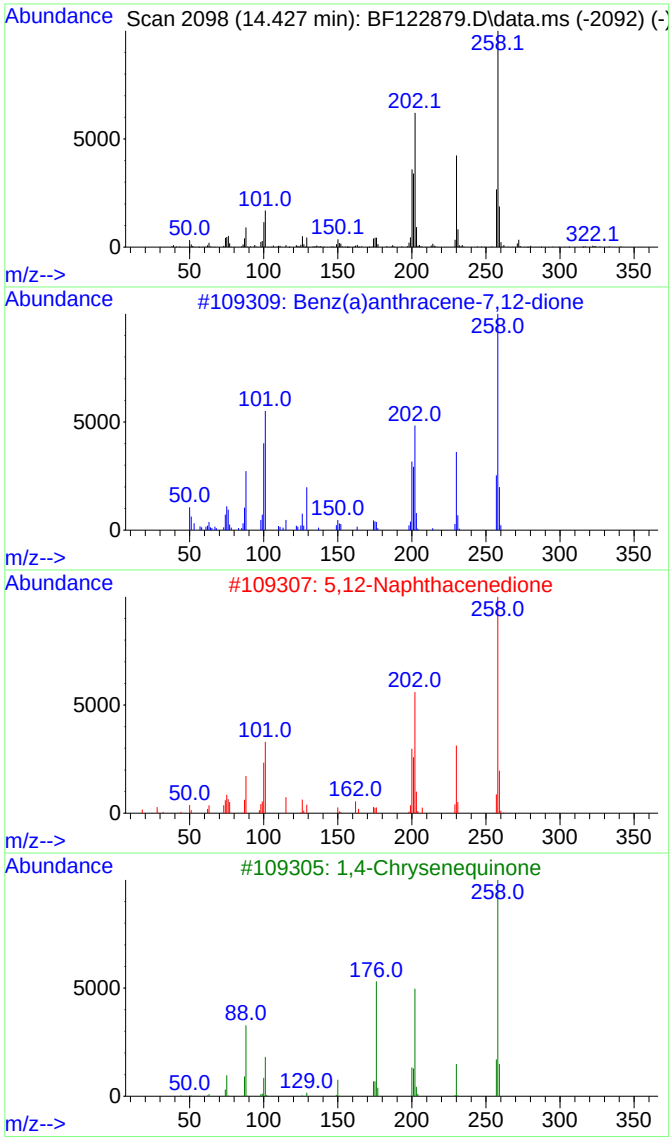
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

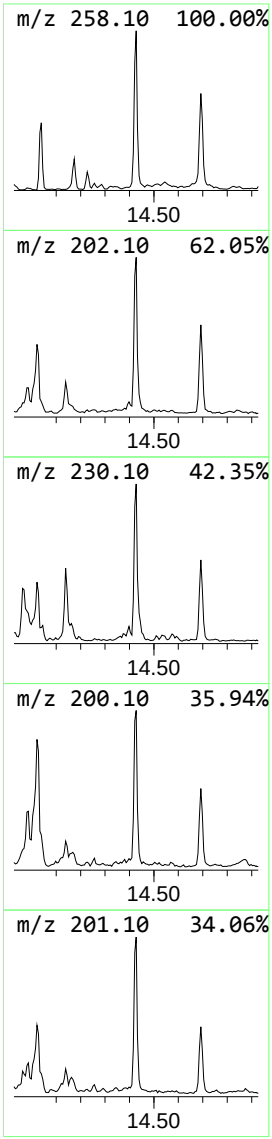
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benz(a)anthracene-7,12-dione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.427	4.01 ng	726641	Chrysene-d12	13.992

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	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	43
4	6H-Dibenzo[b,d]pyran-6-one, 3,7,...	258	C14H10O5	000641-38-3	43
5	2-(1-Methyl-1H-indol-2-yl)quinoline	258	C18H14N2	1000326-83-6	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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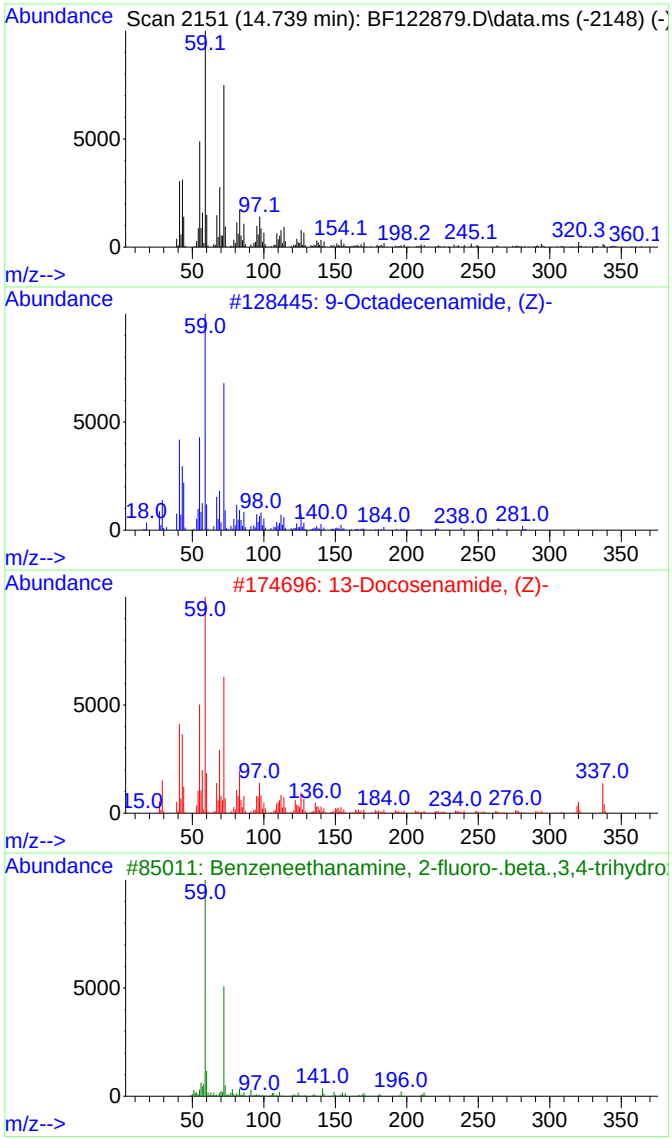
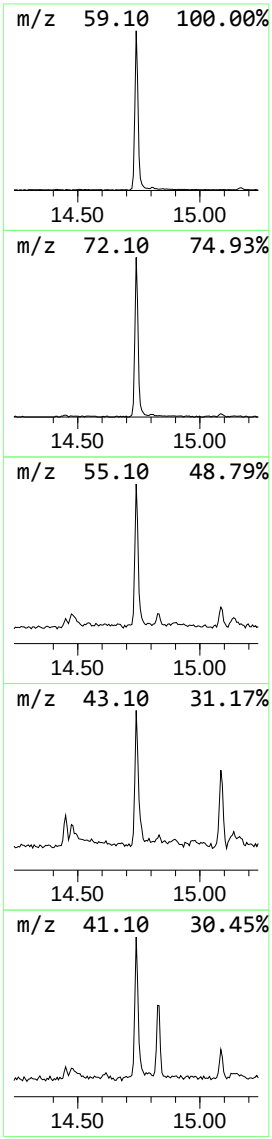
Peak Number 12 9-Octadecenamide, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.739	9.42 ng	563697	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	91
2	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	83
3	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	64
4	Octadecanamide	283	C18H37NO	000124-26-5	53
5	Tetradecanamide	227	C14H29NO	000638-58-4	40





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Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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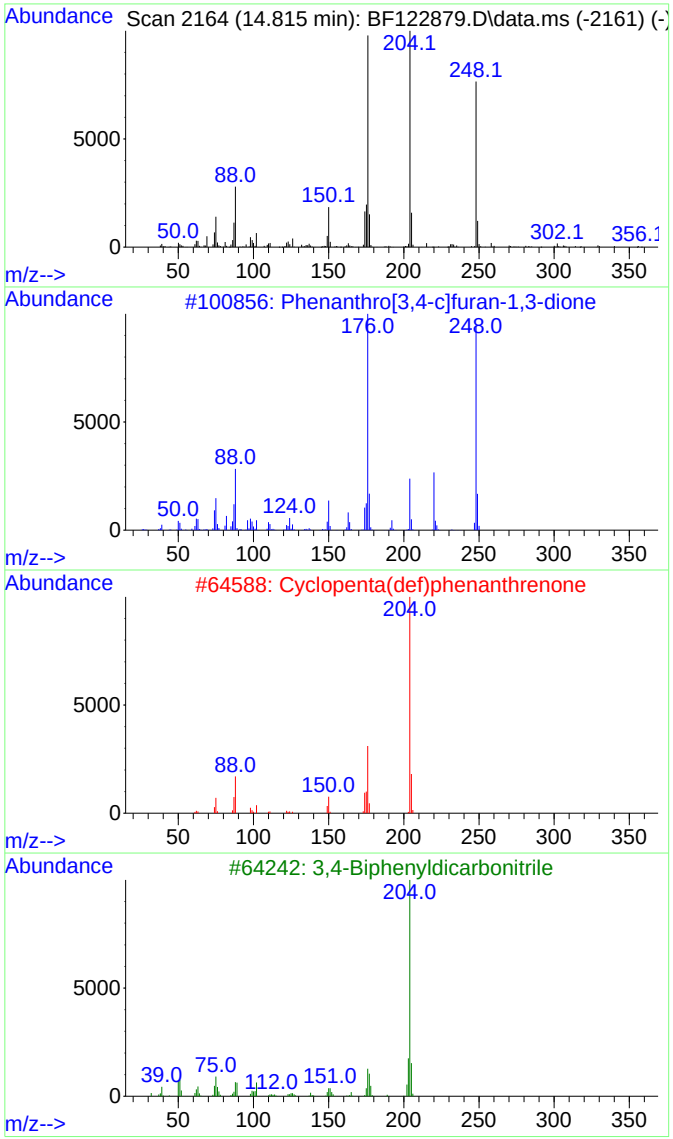
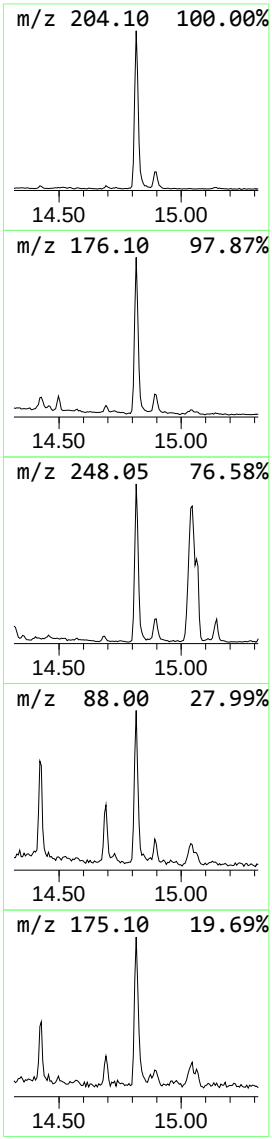
Peak Number 13 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	10.90 ng	652266	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	62
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
4	Aceanthrenequinone	232	C16H8O2	006373-11-1	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

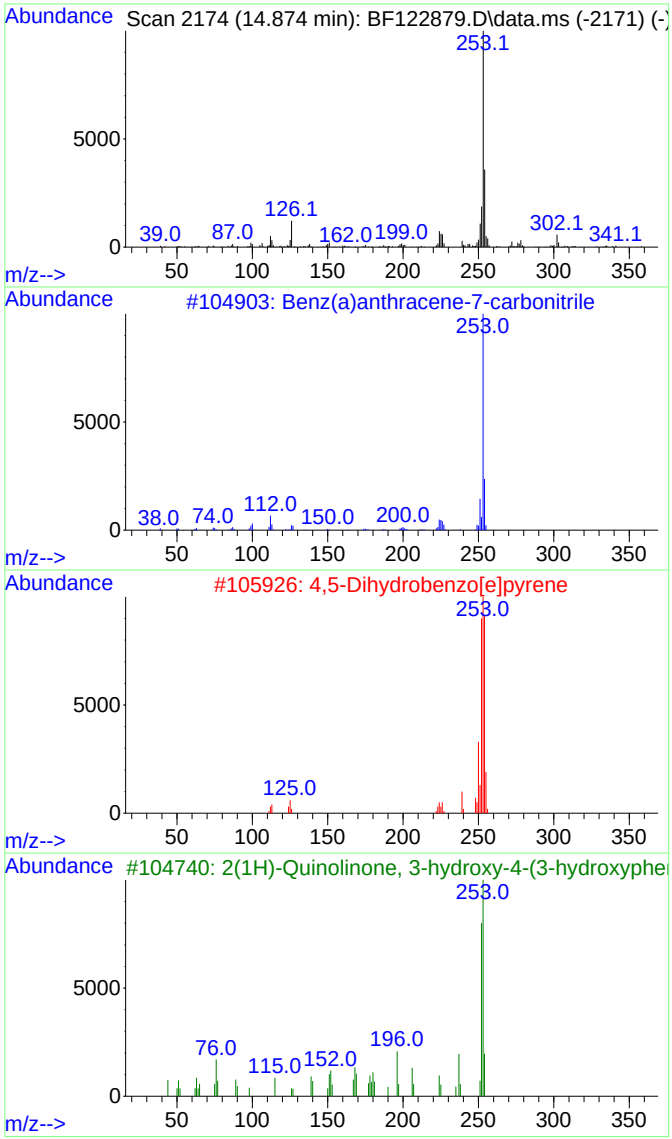
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

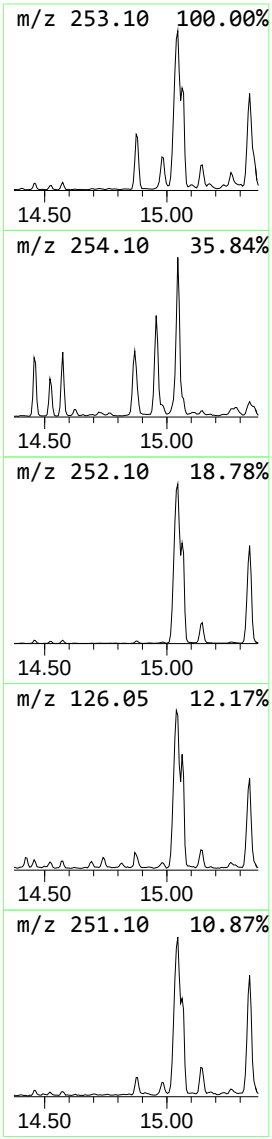
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benz(a)anthracene-7-carboni... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.874	7.08 ng	423779	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	62
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	37
3	2(1H)-Quinolinone, 3-hydroxy-4-(...	253	C15H11NO3	014484-44-7	36
4	Naphthalene, 1-(2-bromo-1-naphth...	332	C20H13Br	207611-58-3	35
5	Ethyl 4-(5-methyl-1,1-dioxido-4-...	373	C19H19NO5S	1000294-64-6	33





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Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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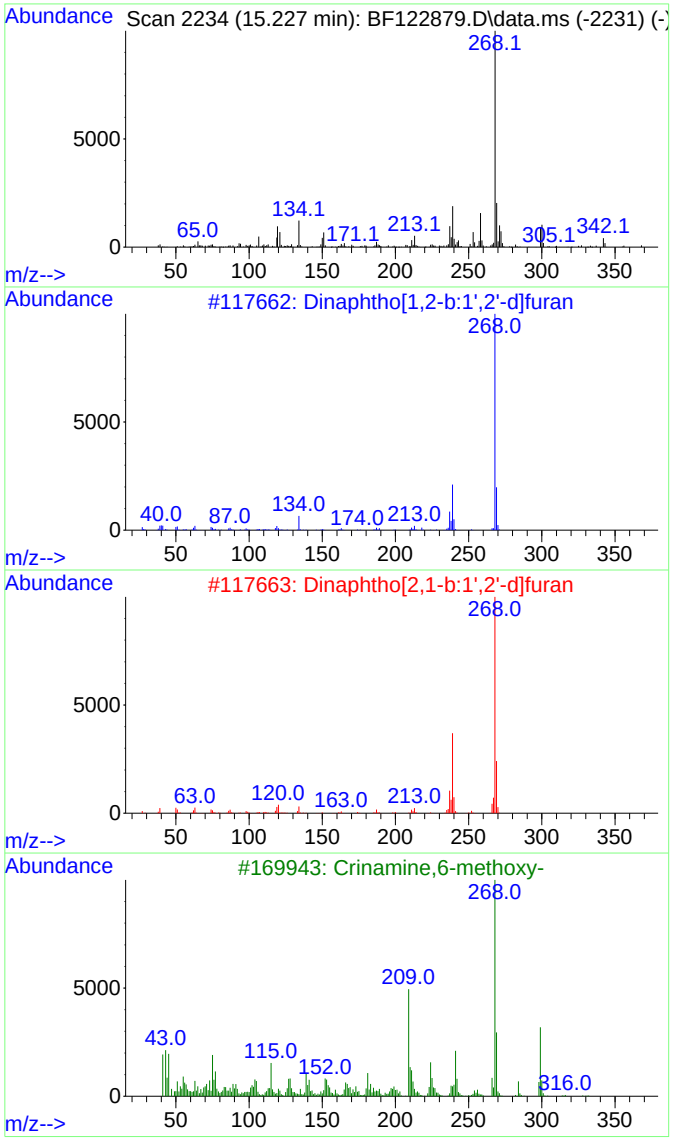
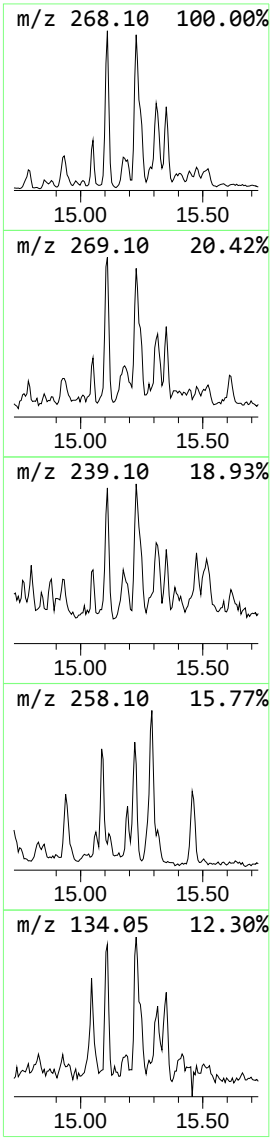
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	4.19 ng	250592	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	92
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53
3	Crinamine,6-methoxy-	331	C18H21NO5	038478-53-4	53
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50
5	(5H,10H)Anthracene, 2,3,7,8-bis(...	268	C16H12O4	1000116-12-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
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Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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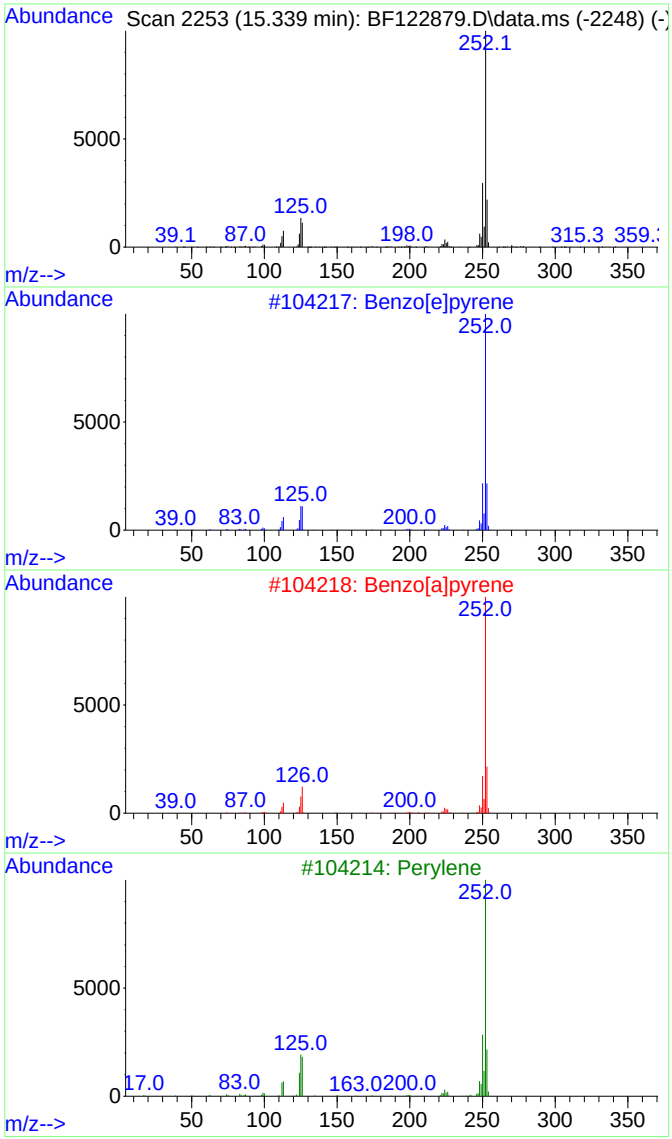
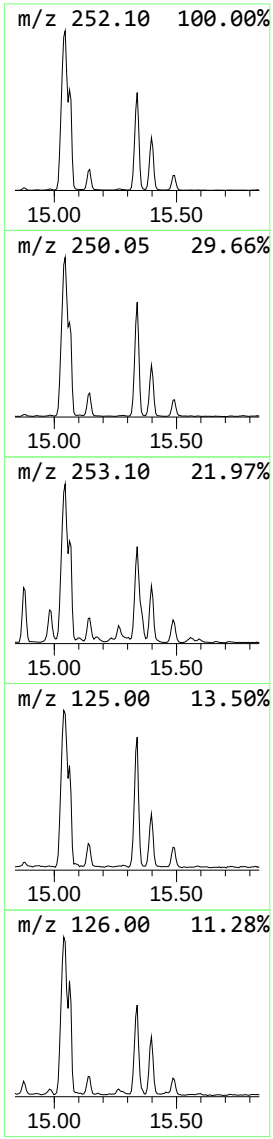
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	31.36 ng	1875780	Perylene-d12	15.457

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	98
3	Perylene	252	C20H12	000198-55-0	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+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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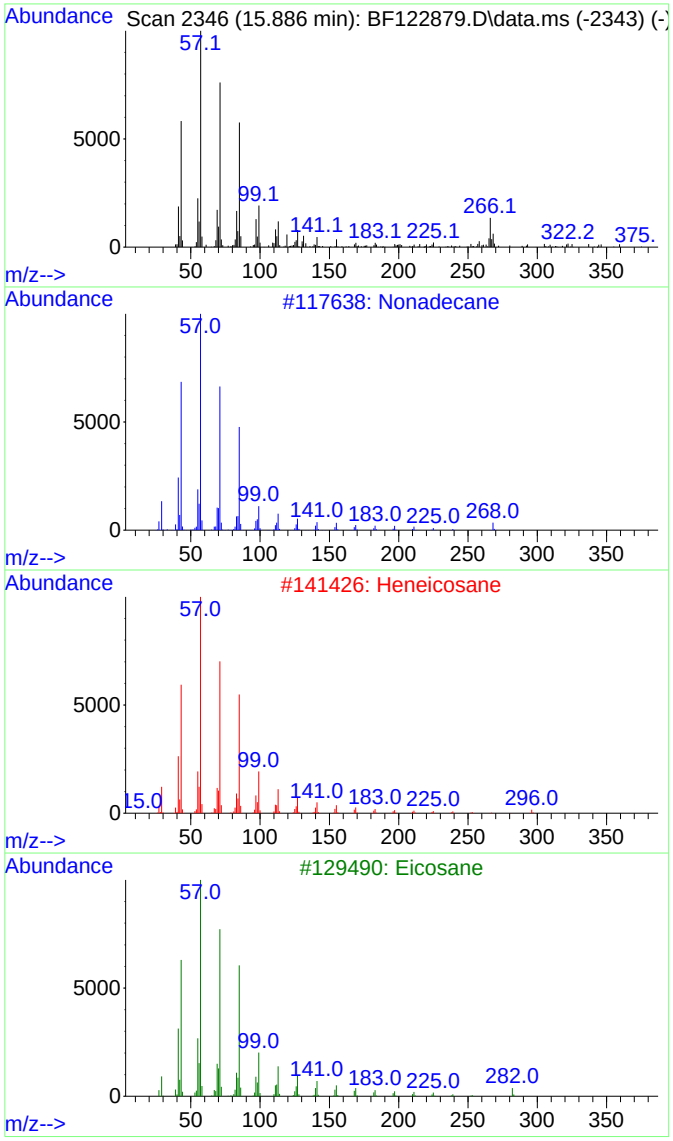
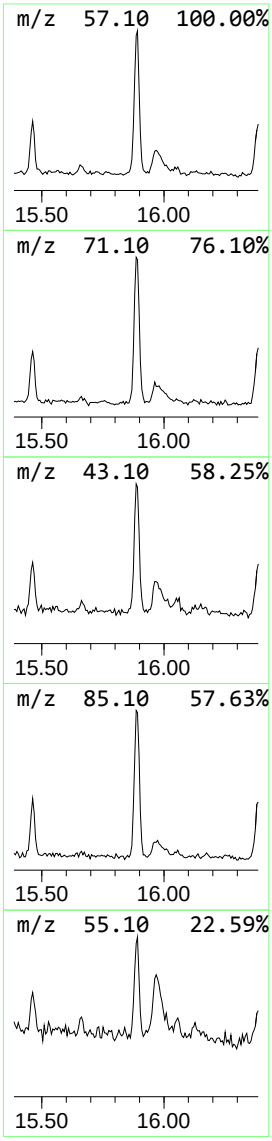
Peak Number 18 Nonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.886	4.48 ng	268119	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Heneicosane	296	C21H44	000629-94-7	87
3	Eicosane	282	C20H42	000112-95-8	83
4	Hexacosane	366	C26H54	000630-01-3	81
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+26)

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

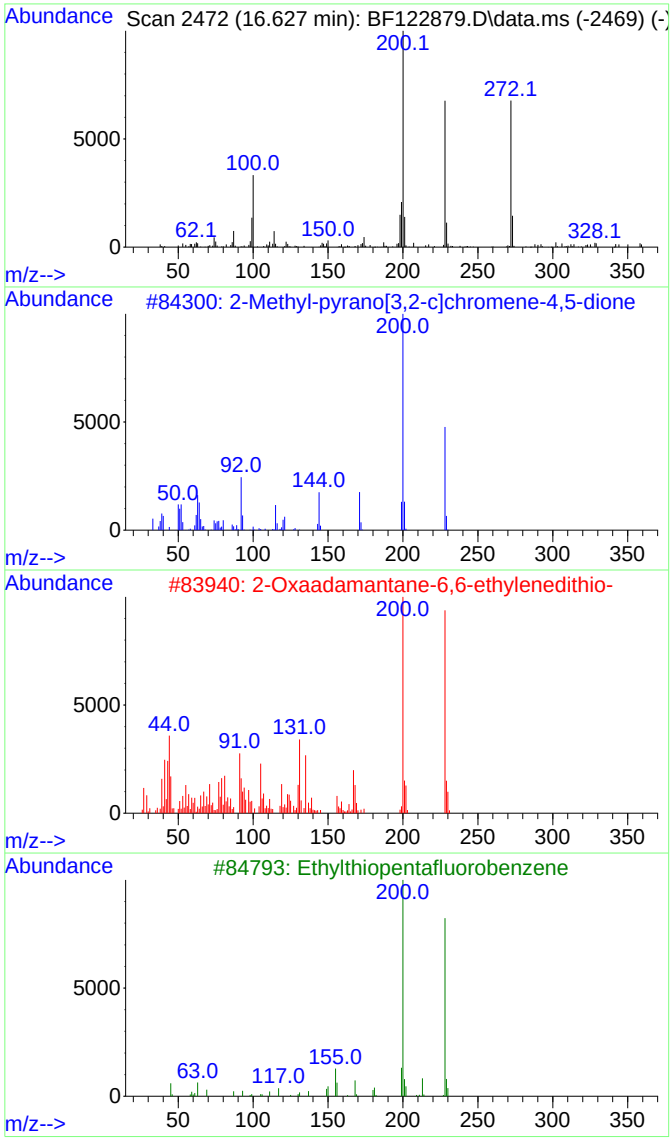
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

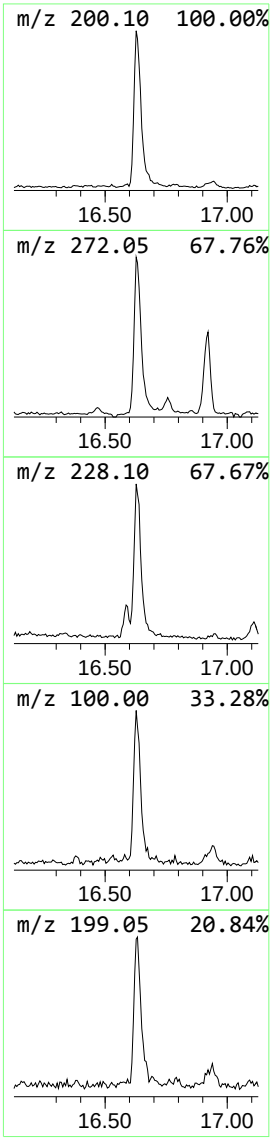
****

Peak Number 19 unknown16.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.627	4.83 ng	288697	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-pyrano[3,2-c]chromene-4...	228	C13H8O4	1000301-16-7	49
2	2-Oxaadamantane-6,6-ethylenedithio-	228	C11H16OS2	1000188-89-7	43
3	Ethylthiopentafluorobenzene	228	C8H5F5S	033288-21-0	37
4	(E)-2-Fluoro-3-(3-chlorophenyl)-...	228	C11H10ClFO2	110915-34-9	27
5	9,10-Anthracenedicarbonitrile	228	C16H8N2	001217-45-4	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1(494+26)

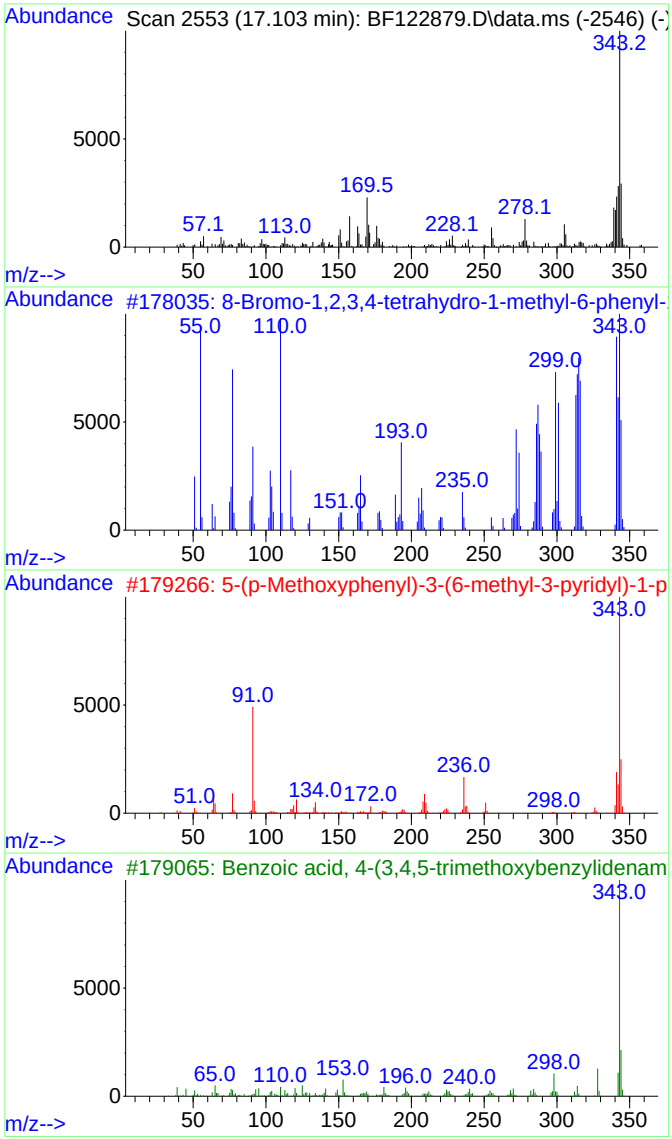
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

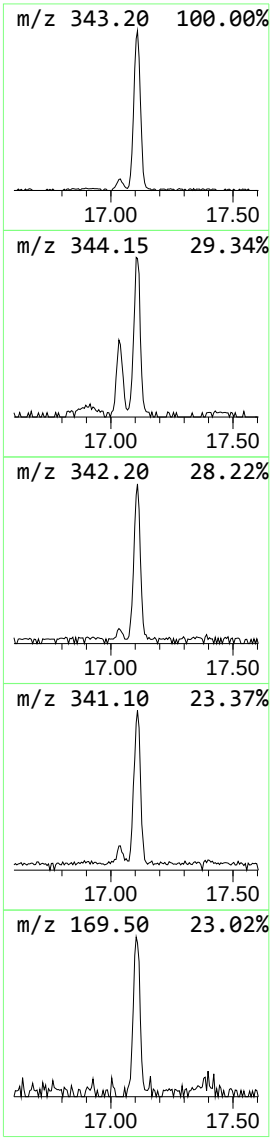
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 8-Bromo-1,2,3,4-tetrahydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.104	9.41 ng	562658	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	97
2	5-(p-Methoxyphenyl)-3-(6-methyl-...	343	C22H21N3O	010040-61-6	37
3	Benzoic acid, 4-(3,4,5-trimethox...	343	C19H21NO5	304683-21-4	32
4	5-(p-Aminophenyl)-4-(4-biphenyly...	343	C21H17N3S	094863-57-7	32
5	Silane, diethylpentadecyloxyprop...	372	C22H48O2Si	1000363-96-2	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122879.D
Acq On : 30 Dec 2020 15:25
Operator : JU/CG
Sample : L5242-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-1(494+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
1H-Indene, 2-ph...	11.874	6.4	ng	300338	4	11.345	937466	20.0
4H-Cyclopenta[d...	11.963	5.5	ng	257858	4	11.345	937466	20.0
9,10-Anthracene...	12.174	13.9	ng	653866	4	11.345	937466	20.0
9,10-Dimethylan...	12.398	3.6	ng	168326	4	11.345	937466	20.0
Cyclopenta(def)...	12.492	8.4	ng	395742	4	11.345	937466	20.0
1-Pyrenecarboxa...	13.633	4.6	ng	826470	5	13.992	3623940	20.0
Benzo[b]naphtho...	13.739	4.2	ng	768202	5	13.992	3623940	20.0
Cyclopenta[cd]p...	13.792	4.3	ng	769930	5	13.992	3623940	20.0
11H-Benzo[a]flu...	13.839	6.3	ng	1148970	5	13.992	3623940	20.0
Benz(a)anthrace...	14.427	4.0	ng	726641	5	13.992	3623940	20.0
9-Octadecenamid...	14.739	9.4	ng	563697	6	15.457	1196430	20.0
Phenanthro[3,4-...	14.815	10.9	ng	652266	6	15.457	1196430	20.0
Benz(a)anthrace...	14.874	7.1	ng	423779	6	15.457	1196430	20.0
Dinaphtho[1,2-b...	15.227	4.2	ng	250592	6	15.457	1196430	20.0
Benzo[e]pyrene	15.339	31.4	ng	1875780	6	15.457	1196430	20.0
Nonadecane	15.886	4.5	ng	268119	6	15.457	1196430	20.0
unknown16.62	16.627	4.8	ng	288697	6	15.457	1196430	20.0
8-Bromo-1,2,3,4...	17.104	9.4	ng	562658	6	15.457	1196430	20.0