LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	557	560	575	rBV	521222	504965	27.56%	2.060%
2	6.398	730	733	748	rBV	510376	523472	28.57%	2.135%
3	6.769	792	796	805	rBV	1089242	883985	48.24%	3.606%
4	7.328	888	891	900	rBV	393633	356366	19.45%	1.454%
5	8.051	1008	1014	1017	rBV	1350652	1146532	62.57%	4.677%
6	9.128	1193	1197	1208	rVB	773707	674651	36.82%	2.752%
7	9.522	1261	1264	1271	rVV2	87491	82163	4.48%	0.335%
8	9.663	1285	1288	1296	rVB	114427	90397	4.93%	0.369%
9	9.804	1306	1312	1315	rBV	1510817	1258117	68.66%	5.132%
10	9.833	1315	1317	1322	rVB	124994	103621	5.65%	0.423%
11	10.010	1343	1347	1351	rBV	65706	58498	3.19%	0.239%
12	10.351	1402	1405	1411	rVB	125062	111124	6.06%	0.453%
13	10.510	1429	1432	1435	rVB	31537	29047	1.59%	0.118%
14	10.592	1442	1446	1452	rBV	365583	359786	19.63%	1.468%
15	10.722	1461	1468	1474	rVB4	27116	35770	1.95%	0.146%
16	10.898	1492	1498	1501	rBV3	37654	47327	2.58%	0.193%
17	11.028	1515	1520	1522	rBV2	20419	27336	1.49%	0.112%
18	11.092	1529	1531	1535	rVB2	43467	37997	2.07%	0.155%
19	11.133	1535	1538	1544	rVV5	22985	41208	2.25%	0.168%
20	11.186	1544	1547	1552	rVB	57138	52075	2.84%	0.212%
21	11.286	1560	1564	1566	rBV	1317632	1185698	64.71%	4.837%
22	11.310	1566	1568	1572	rVV	1210604	947252	51.69%	3.864%
23	11.363	1572	1577	1580	rVV	360834	304492	16.62%	1.242%
24	11.398	1580	1583	1586	rVB2	28710	28412	1.55%	0.116%
25	11.522	1598	1604	1607	rBV2	95521	116963	6.38%	0.477%
26	11.580	1612	1614	1618	rVV2	37927	35599	1.94%	0.145%
27	11.622	1618	1621	1625	rVB3	20655	24329	1.33%	0.099%
28	11.786	1644	1649	1652	rBV	128211	123910	6.76%	0.505%
29	11.816	1652	1654	1657	rVV	202256	156781	8.56%	0.640%
30	11.863	1657	1662	1665	rVV	86885	76909	4.20%	0.314%
31	11.898	1665	1668	1671	rVV	249622	262883	14.35%	1.072%
32	11.922	1671	1672	1677	rVB	97392	59501	3.25%	0.243%
33	12.086	1697	1700	1702	rBV	92311	85664	4.67%	0.349%
34	12.110	1702	1704	1707	rVB	64903	54188	2.96%	0.221%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	12.233	1720	1725	1728	rBV2	37729	40944	2.23%	0.167%
36	12.263	1728	1730	1732	rVV	34862	27785	1.52%	0.113%
37	12.333	1737	1742	1745	rVV	74824	93155	5.08%	0.380%
38	12.374	1746	1749	1754	rVV2	61737	102890	5.62%	0.420%
39	12.422	1754	1757	1762	rVV	93547	109318	5.97%	0.446%
40	12.498	1766	1770	1774	rVV	1589403	1509409	82.37%	6.157%
41	12.563	1779	1781	1784	rVV	42209	35387	1.93%	0.144%
42	12.592	1784	1786	1789	rVB	50889	38073	2.08%	0.155%
43	12.651	1789	1796	1803	rVB4	48369	93892	5.12%	0.383%
44	12.727	1803	1809	1812	rBV2	1409394	1508020	82.30%	6.151%
45	12.774	1815	1817	1822	rVB2	68582	67341	3.68%	0.275%
46	12.845	1826	1829	1830	rBV	87082	71232	3.89%	0.291%
47	12.869	1830	1833	1840	rVB	740673	678883	37.05%	2.769%
48	12.951	1840	1847	1849	rBV3	94441	155199	8.47%	0.633%
49	13.027	1854	1860	1862	rBV3	86311	116719	6.37%	0.476%
50	13.057	1862	1865	1868	rVB	211015	196775	10.74%	0.803%
51	13.086	1868	1870	1872	rBV	24772	25606	1.40%	0.104%
52	13.121	1873	1876	1878	rVV	170231	142066	7.75%	0.579%
53	13.157	1878	1882	1885	rVV2	135832	153497	8.38%	0.626%
54	13.180	1885	1886	1890	rVB	43173	36909	2.01%	0.151%
55	13.216	1890	1892	1895	rBV3	32721	26596	1.45%	0.108%
56	13.251	1895	1898	1900	rBV	69259	57484	3.14%	0.234%
57	13.280	1900	1903	1907	rBV	78112	73256	4.00%	0.299%
58	13.463	1926	1934	1935	rBV5	35991	79994	4.37%	0.326%
59	13.539	1944	1947	1948	rBV2	28620	31743	1.73%	0.129%
60	13.563	1948	1951	1955	rVB	95868	96502	5.27%	0.394%
61	13.674	1965	1970	1972	rBV2	115169	135369	7.39%	0.552%
62	13.698	1972	1974	1976	rVV	113163	102866	5.61%	0.420%
63	13.721	1976	1978	1984	rVV2	94989	142347	7.77%	0.581%
64	13.769	1984	1986	1989	rVB	93694	81723	4.46%	0.333%
65	13.839	1996	1998	2004	rVB	31965	41421	2.26%	0.169%
66	13.921	2004	2012	2015	rBV2	1267131	1832402	100.00%	7.474%
67	13.951	2015	2017	2020	rVB	614953	456934	24.94%	1.864%
68	14.027	2025	2030	2033	rBV	139734	139565	7.62%	0.569%
69	14.068	2035	2037	2039	rVV	67909	68997	3.77%	0.281%
70	14.116	2043	2045	2047	rVV	62914	57447	3.14%	0.234%
71	14.151	2047	2051	2054	rVV2	69612	97710	5.33%	0.399%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	14.180	2054	2056	2059	rVB4	26041	24592	1.34%	0.100%
73	14.274	2064	2072	2074	rBV3	53743	99574	5.43%	0.406%
74	14.310	2074	2078	2081	rVB	130026	123331	6.73%	0.503%
75	14.345	2081	2084	2088	rVB2	67646	65991	3.60%	0.269%
76	14.404	2090	2094	2096	rVB2	60271	72116	3.94%	0.294%
77	14.433	2096	2099	2101	rBV2	70493	59410	3.24%	0.242%
78	14.457	2101	2103	2106	rVB2	77525	65529	3.58%	0.267%
79	14.504	2109	2111	2113	rBV	29918	28494	1.56%	0.116%
80	14.616	2127	2130	2132	rBV2	55370	59982	3.27%	0.245%
81	14.692	2140	2143	2146	rVB2	45544	50047	2.73%	0.204%
82	14.792	2157	2160	2168	rBV4	42675	76852	4.19%	0.313%
83	14.951	2182	2187	2190	rBV	618646	930416	50.78%	3.795%
84	15.021	2196	2199	2201	rVV	45243	45549	2.49%	0.186%
85	15.051	2201	2204	2208	rVB	130670	135761	7.41%	0.554%
86	15.139	2216	2219	2220	rBV2	37670	37717	2.06%	0.154%
87	15.239	2232	2236	2242	rVB	385557	500982	27.34%	2.044%
88	15.304	2242	2247	2251	rBV	555955	660924	36.07%	2.696%
89	15.363	2252	2257	2260	rVV	752786	936278	51.10%	3.819%
90	15.392	2260	2262	2269	rVB	192347	218495	11.92%	0.891%
91	15.898	2345	2348	2353	rBV2	43909	63319	3.46%	0.258%
92	16.586	2461	2465	2468	rBV2	32944	55649	3.04%	0.227%
93	16.621	2468	2471	2476	rVB3	39568	63389	3.46%	0.259%
94	16.768	2490	2496	2505	rVB2	310836	580388	31.67%	2.367%
95	16.845	2506	2509	2519	rVB3	37310	71503	3.90%	0.292%
96	16.939	2520	2525	2530	rBV	56240	92344	5.04%	0.377%
97	16.998	2530	2535	2539	rBV2	45189	85502	4.67%	0.349%
98	17.198	2562	2569	2579	rBV	278966	554006	30.23%	2.260%
99	17.421	2602	2607	2616	rVB	60830	119634	6.53%	0.488%
100	18.304	2752	2757	2758	rBV5	20105	25149	1.37%	0.103%

Sum of corrected areas: 24515397

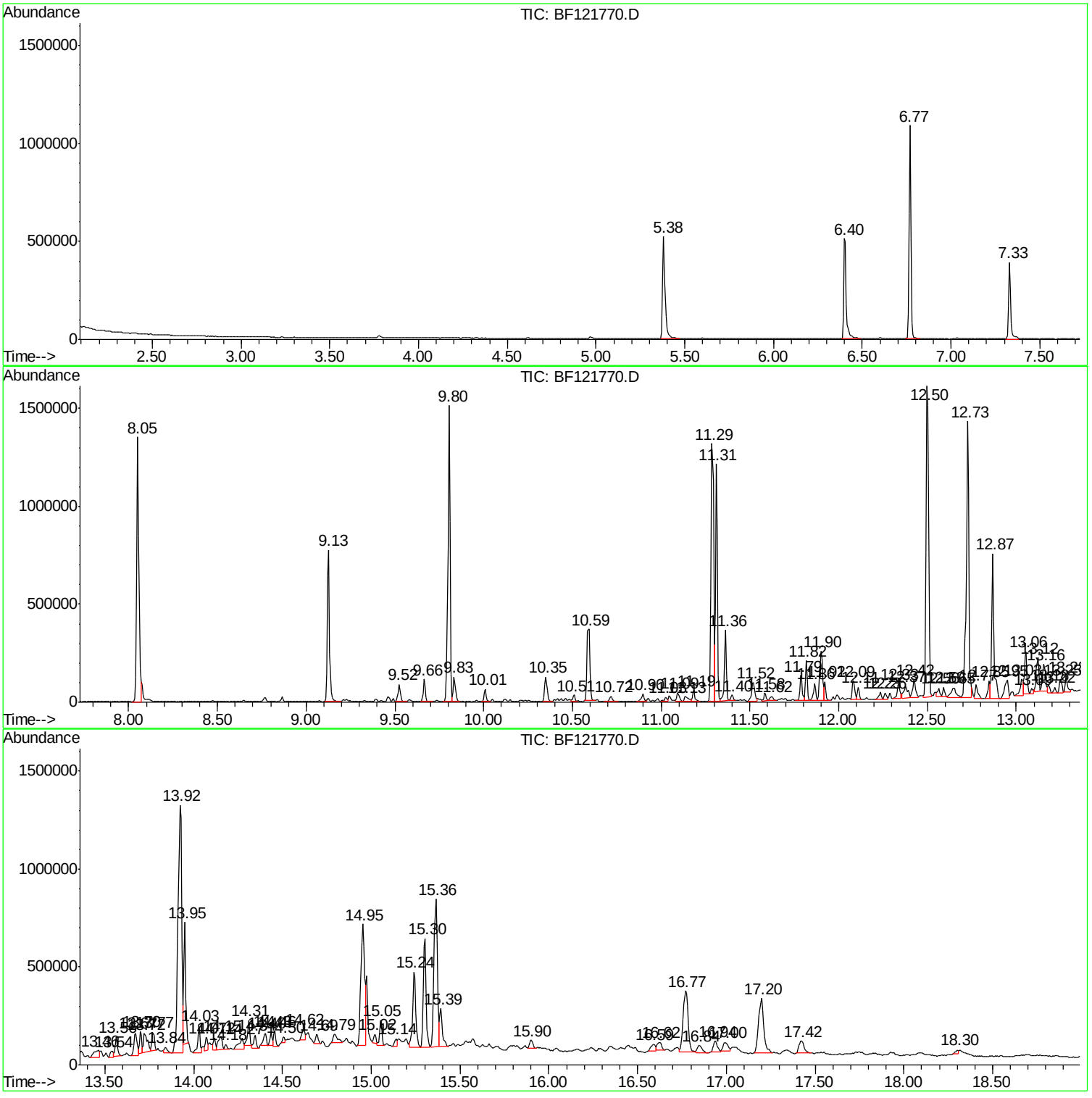
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

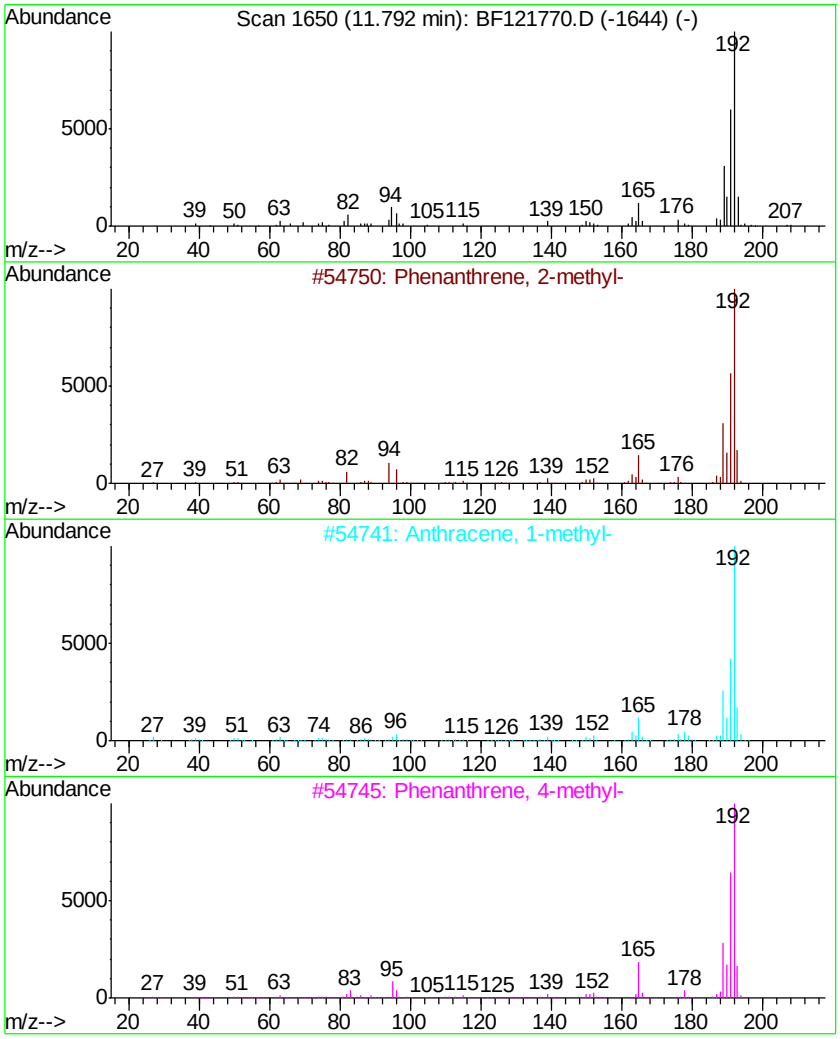
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

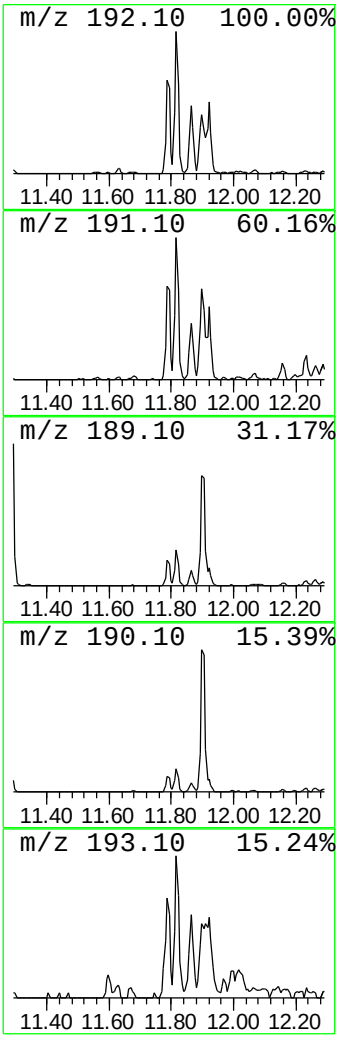
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.09 ng	123910	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

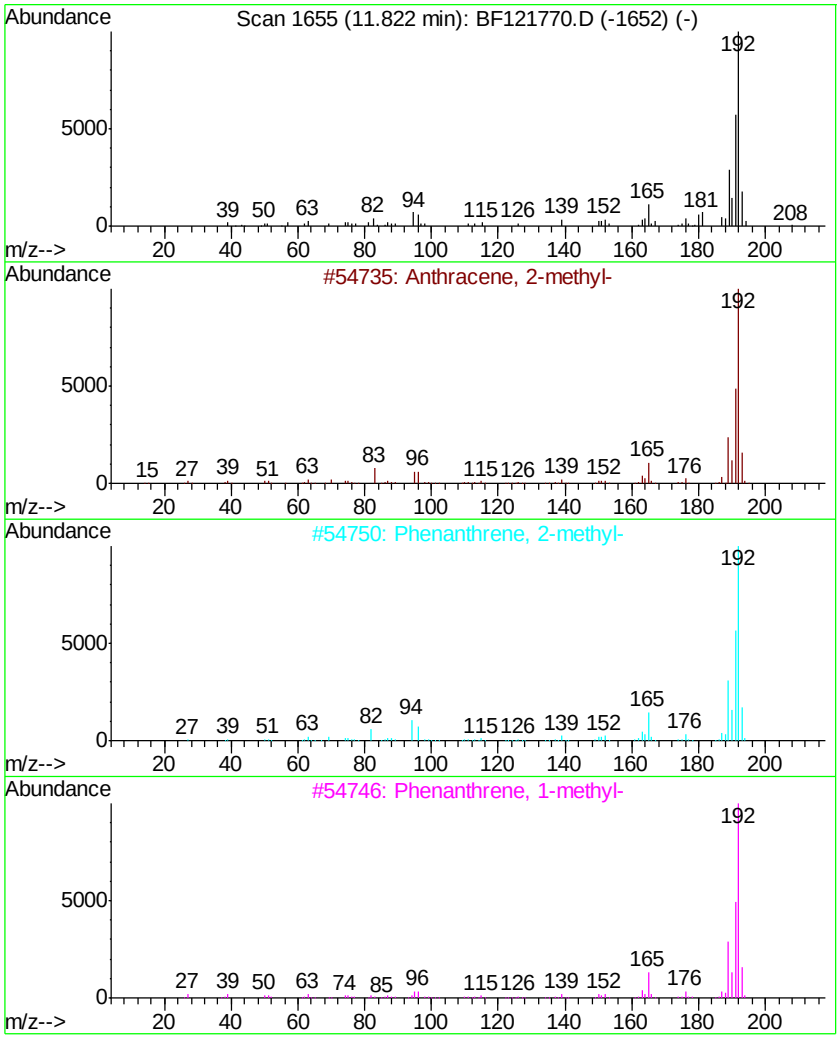
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

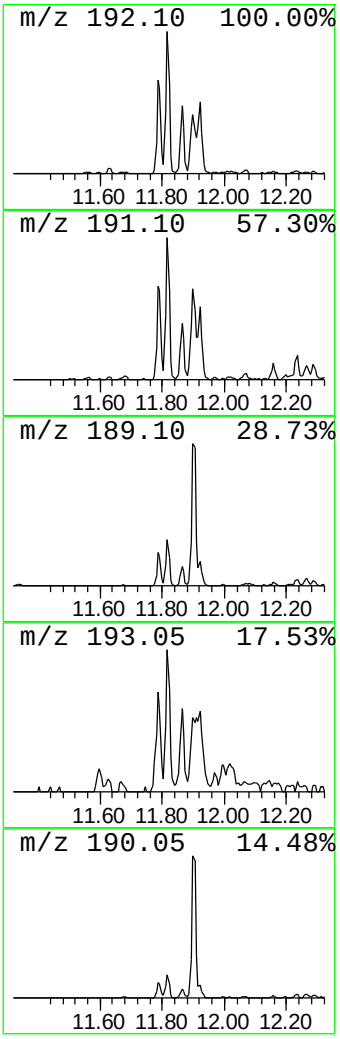
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.64 ng	156781	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

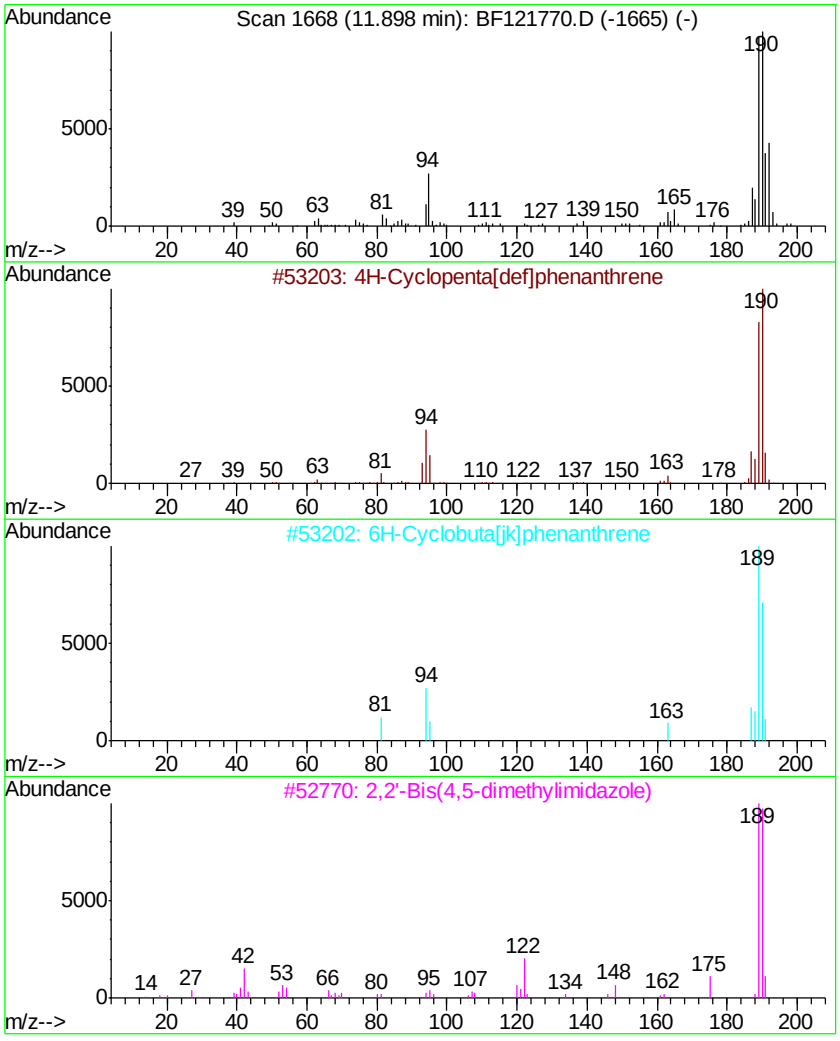
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

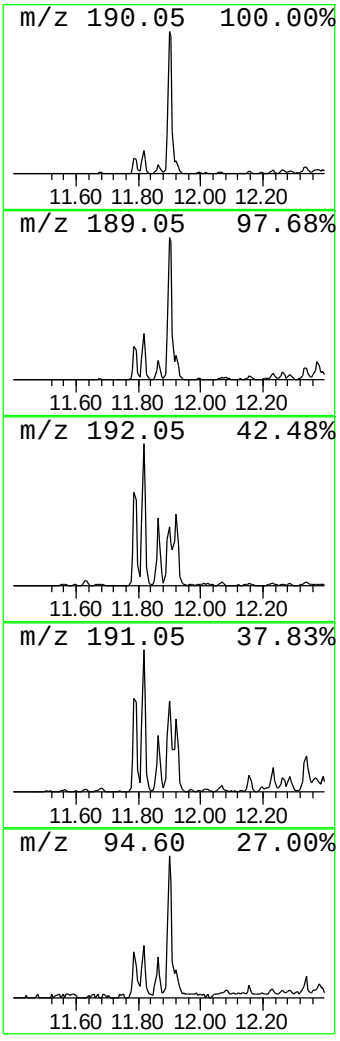
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.43 ng	262883	Phenanthrene-d10	11.29

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	42
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	12
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

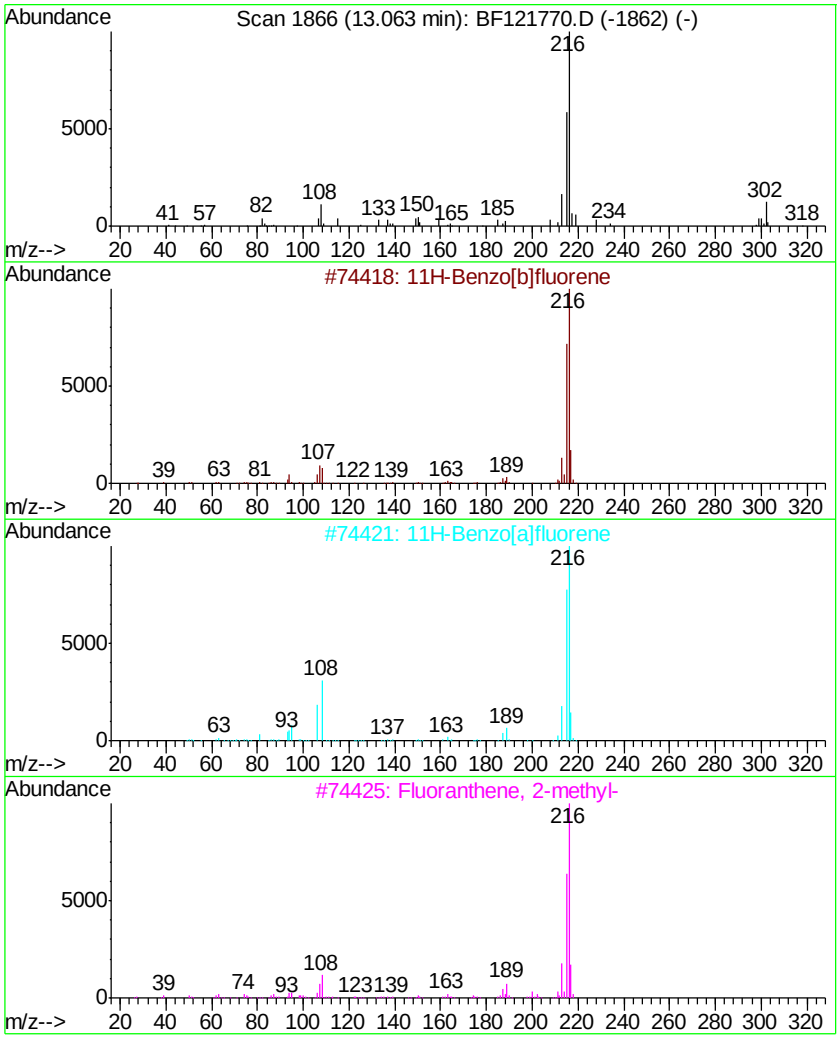
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

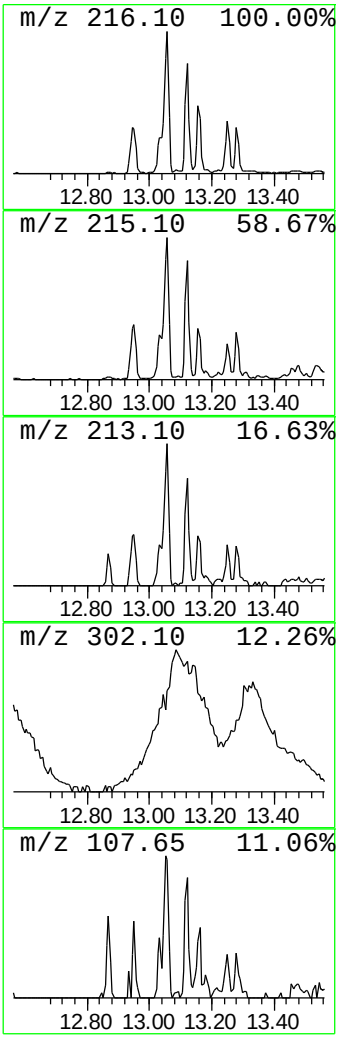
****

Peak Number 4 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.15 ng	196775	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

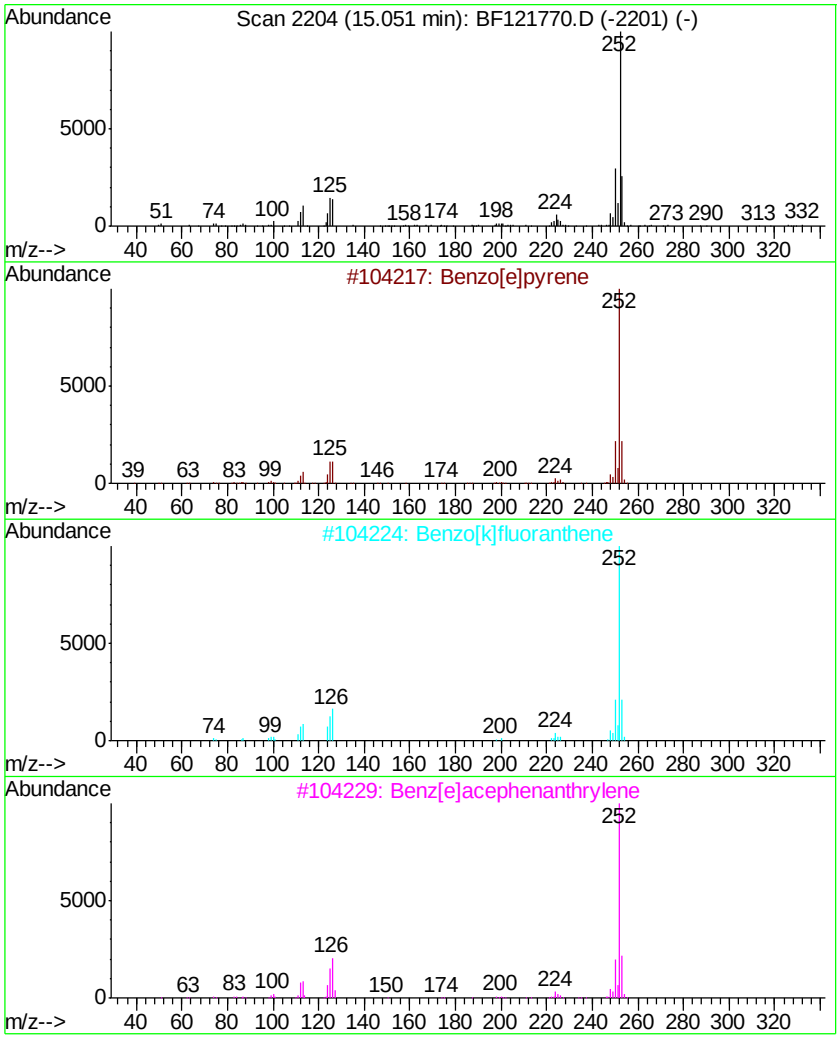
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

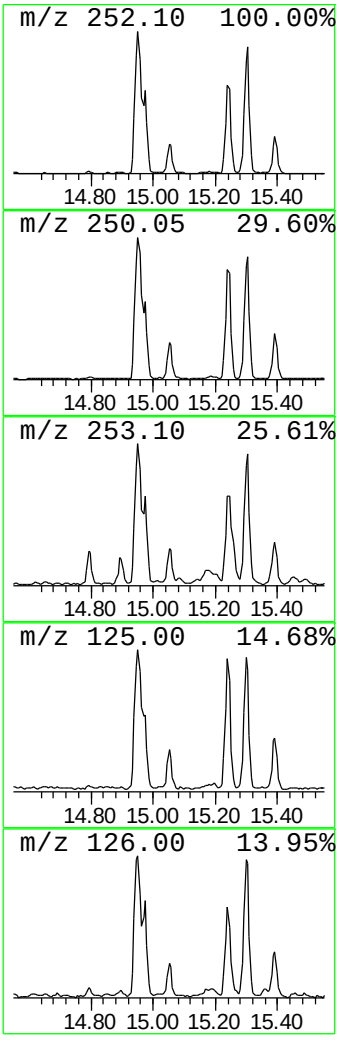
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.90 ng	135761	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

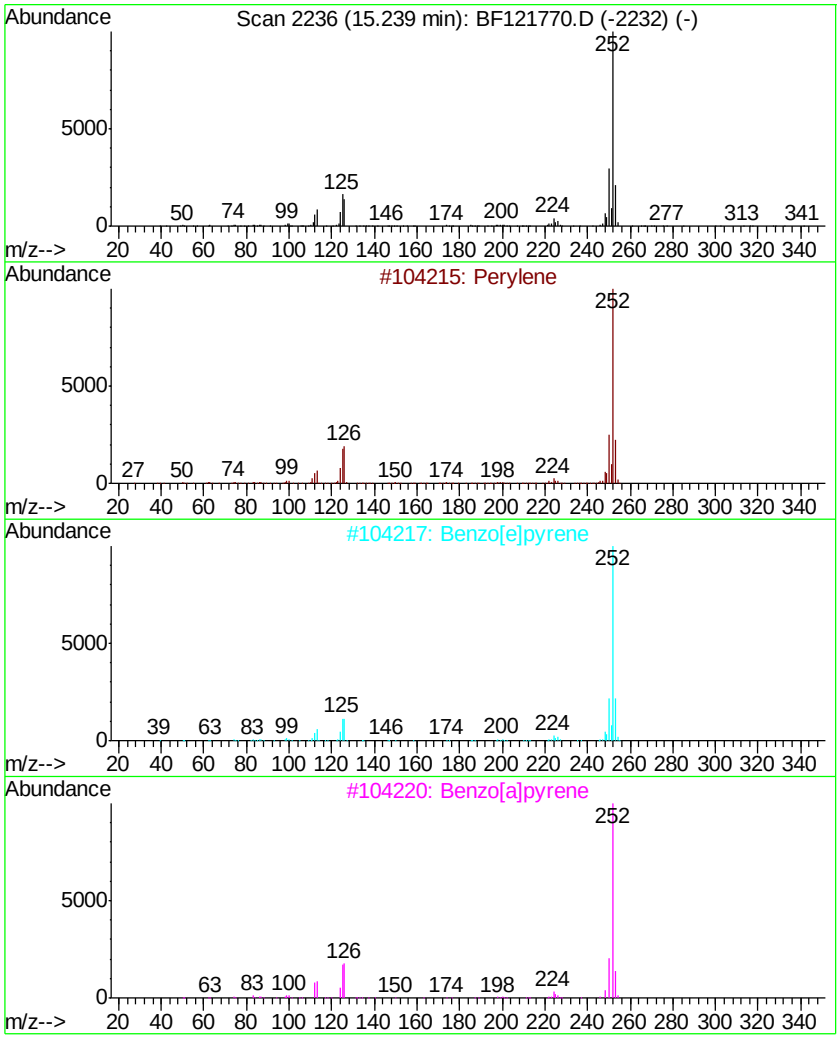
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

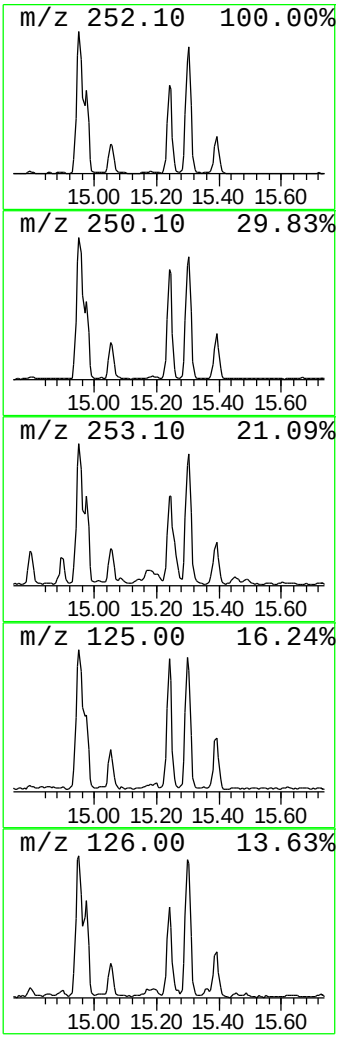
****

Peak Number 6 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	10.70 ng	500982	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

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

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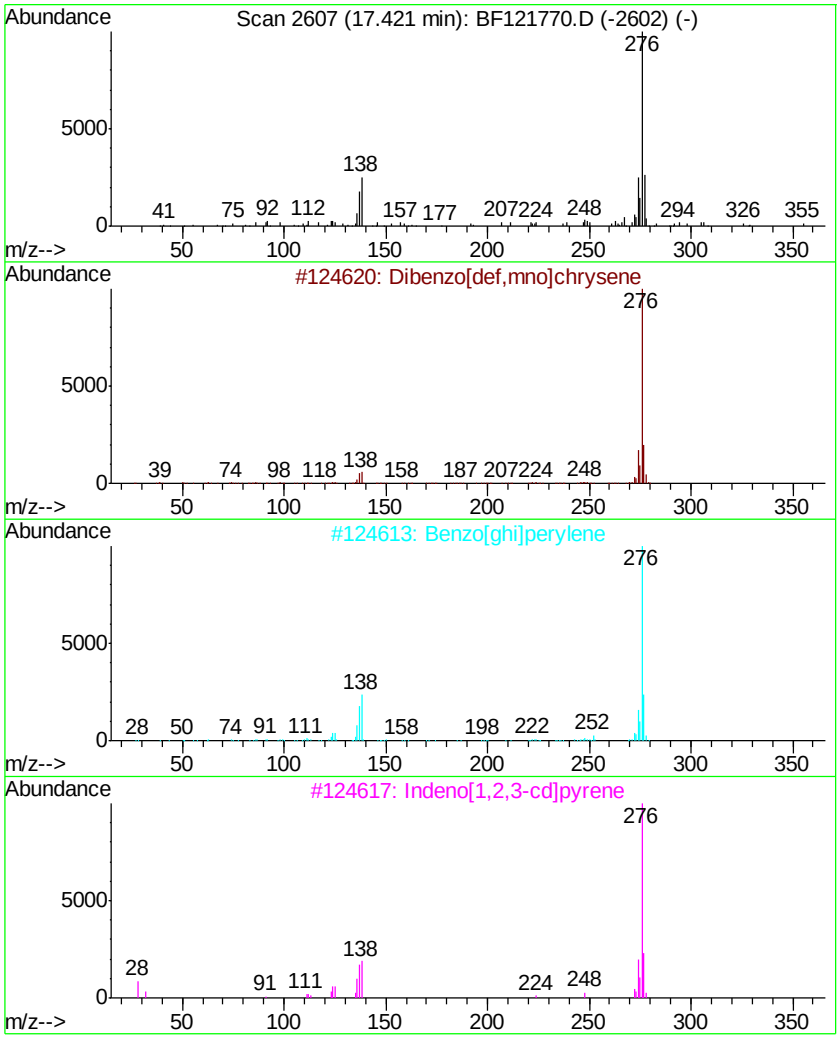
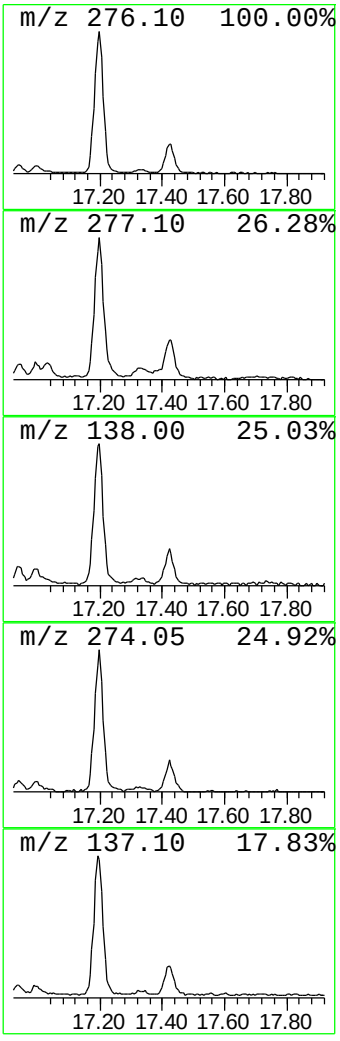
Peak Number 7 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	2.56 ng	119634	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	91
5	1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121770.D
Acq On : 1 Oct 2020 16:40
Operator : JU/CG
Sample : L4179-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-9(12-14)

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	11.79	2.1	ng	123910	4	11.29	1185700	20.0
Anthracene, 2-met...	11.82	2.6	ng	156781	4	11.29	1185700	20.0
4H-Cyclopenta[def...	11.90	4.4	ng	262883	4	11.29	1185700	20.0
11H-Benzo[b]fluorene	13.06	2.1	ng	196775	5	13.93	1832400	20.0
Benzo[e]pyrene	15.05	2.9	ng	135761	6	15.36	936278	20.0
Perylene	15.24	10.7	ng	500982	6	15.36	936278	20.0
Dibenzo[def,mno]c...	17.42	2.6	ng	119634	6	15.36	936278	20.0