LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-349

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.516	206	209	218	rBV	26159	51785	1.47%	0.137%
2	5.169	486	490	498	rVB	36234	49049	1.39%	0.130%
3	5.546	549	554	557	rBV	3120637	3022216	85.76%	7.992%
4	6.546	718	724	727	rBV	2797228	3158228	89.62%	8.352%
5	6.916	783	787	790	rBV	761704	639761	18.15%	1.692%
6	7.481	877	883	886	rBV	2151069	2140553	60.74%	5.661%
7	7.557	891	896	904	rVB2	30643	38014	1.08%	0.101%
8	8.198	1001	1005	1008	rBV	981078	806546	22.89%	2.133%
9	8.375	1028	1035	1040	rVB2	61733	80299	2.28%	0.212%
10	8.445	1040	1047	1051	rBV6	26467	44711	1.27%	0.118%
11	8.551	1060	1065	1068	rBV2	71219	97818	2.78%	0.259%
12	9.010	1139	1143	1146	rBV	50826	39279	1.11%	0.104%
13	9.275	1182	1188	1191	rBV	3880601	3523995	100.00%	9.319%
14	9.534	1228	1232	1237	rBV2	55299	59368	1.68%	0.157%
15	9.610	1241	1245	1248	rBV	73673	69204	1.96%	0.183%
16	9.816	1277	1280	1285	rBV	167441	145386	4.13%	0.384%
17	9.957	1300	1304	1307	rVB	984742	788069	22.36%	2.084%
18	10.151	1332	1337	1342	rBV3	64769	105460	2.99%	0.279%
19	10.192	1342	1344	1348	rVB	62249	57933	1.64%	0.153%
20	10.269	1353	1357	1360	rBV2	63635	72648	2.06%	0.192%
21	10.363	1367	1373	1374	rBV2	44407	70230	1.99%	0.186%
22	10.504	1394	1397	1402	rVB3	66793	80573	2.29%	0.213%
23	10.569	1402	1408	1410	rBV4	35628	58633	1.66%	0.155%
24	10.657	1419	1423	1427	rBV4	31121	41386	1.17%	0.109%
25	10.751	1432	1439	1442	rBV	1979554	1810543	51.38%	4.788%
26	10.851	1452	1456	1457	rBV3	39047	43983	1.25%	0.116%
27	10.869	1457	1459	1464	rVB3	61393	67075	1.90%	0.177%
28	11.051	1487	1490	1493	rBV2	46282	51349	1.46%	0.136%
29	11.181	1507	1512	1514	rBV3	44224	57636	1.64%	0.152%
30	11.204	1514	1516	1521	rVV3	48115	47180	1.34%	0.125%
31	11.251	1521	1524	1529	rVV	75010	74427	2.11%	0.197%
32	11.298	1529	1532	1534	rVV3	53072	55380	1.57%	0.146%
33	11.345	1538	1540	1544	rVB	67812	57127	1.62%	0.151%
34	11.451	1554	1558	1560	rBV	749779	715777	20.31%	1.893%
35	11.475	1560	1562	1565	rVV	976123	745953	21.17%	1.973%
36	11.522	1567	1570	1573	rVV	138205	124072	3.52%	0.328%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-349

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.557	1573	1576	1579	rVB2	48361	58709	1.67%	0.155%
38	11.680	1593	1597	1602	rBV2	73888	111419	3.16%	0.295%
39	11.780	1611	1614	1618	rVB	97590	89577	2.54%	0.237%
40	11.828	1619	1622	1626	rBV2	154294	136331	3.87%	0.361%
41	11.951	1640	1643	1646	rBV	374003	389376	11.05%	1.030%
42	11.980	1646	1648	1650	rVV	417984	305775	8.68%	0.809%
43	12.028	1654	1656	1658	rVB	67536	46033	1.31%	0.122%
44	12.063	1658	1662	1664	rBV2	390743	416913	11.83%	1.103%
45	12.086	1664	1666	1669	rVB	291632	222536	6.31%	0.589%
46	12.133	1671	1674	1676	rBV3	72844	57406	1.63%	0.152%
47	12.180	1680	1682	1685	rVB2	56097	50594	1.44%	0.134%
48	12.216	1685	1688	1690	rBV2	44112	44117	1.25%	0.117%
49	12.245	1690	1693	1695	rBV2	183604	153726	4.36%	0.407%
50	12.275	1695	1698	1700	rBV2	155728	117798	3.34%	0.312%
51	12.375	1713	1715	1717	rBV	56641	59986	1.70%	0.159%
52	12.398	1717	1719	1721	rVB2	76597	58024	1.65%	0.153%
53	12.428	1721	1724	1726	rBV	140260	104204	2.96%	0.276%
54	12.451	1726	1728	1731	rVB2	116032	85202	2.42%	0.225%
55	12.504	1732	1737	1740	rBV	628932	983549	27.91%	2.601%
56	12.592	1749	1752	1755	rBV2	193531	212859	6.04%	0.563%
57	12.622	1755	1757	1761	rVB	47705	40139	1.14%	0.106%
58	12.669	1761	1765	1768	rVB	1646633	1384091	39.28%	3.660%
59	12.710	1769	1772	1774	rBV	93724	95353	2.71%	0.252%
60	12.727	1774	1775	1778	rVB3	54716	41560	1.18%	0.110%
61	12.763	1778	1781	1783	rVB2	92680	75132	2.13%	0.199%
62	12.798	1784	1787	1788	rBV2	74681	60718	1.72%	0.161%
63	12.822	1788	1791	1793	rVB	165944	131116	3.72%	0.347%
64	12.845	1793	1795	1798	rVB3	79500	65094	1.85%	0.172%
65	12.904	1798	1805	1809	rBV	1591268	1836506	52.11%	4.857%
66	12.951	1809	1813	1816	rVB2	196036	228450	6.48%	0.604%
67	13.010	1816	1823	1824	rBV3	123807	209478	5.94%	0.554%
68	13.039	1824	1828	1831	rBV	2685484	2337634	66.33%	6.182%
69	13.110	1836	1840	1848	rBV5	215207	412952	11.72%	1.092%
70	13.169	1848	1850	1852	rBV3	53258	48380	1.37%	0.128%
71	13.204	1852	1856	1857	rBV3	186100	220280	6.25%	0.583%
72	13.222	1857	1859	1862	rVB	272222	286051	8.12%	0.756%
73	13.251	1862	1864	1866	rBV2	70151	66252	1.88%	0.175%
74	13.292	1869	1871	1874	rVB	134581	98455	2.79%	0.260%
75	13.327	1874	1877	1880	rBV2	293452	318827	9.05%	0.843%
76	13.422	1891	1893	1896	rBV	233317	197547	5.61%	0.522%

LSC Area Percent Report

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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.457	1896	1899	1901	rVB	196074	167484	4.75%	0.443%
78	13.598	1921	1923	1926	rBV4	79358	75506	2.14%	0.200%
79	13.733	1943	1946	1950	rVB	238954	231157	6.56%	0.611%
80	13.845	1961	1965	1968	rBV3	207982	289875	8.23%	0.767%
81	13.874	1968	1970	1972	rVB	143974	105389	2.99%	0.279%
82	13.898	1972	1974	1977	rBV2	123561	143269	4.07%	0.379%
83	13.945	1980	1982	1985	rVB	175888	160779	4.56%	0.425%
84	14.063	2000	2002	2003	rBV	92054	71645	2.03%	0.189%
85	14.092	2003	2007	2011	rVV2	966645	1510695	42.87%	3.995%
86	14.127	2011	2013	2020	rVB	863813	751886	21.34%	1.988%
87	14.245	2031	2033	2039	rBV4	106326	121657	3.45%	0.322%
88	14.486	2072	2074	2077	rVB	278388	210331	5.97%	0.556%
89	14.521	2077	2080	2082	rBV	159879	152802	4.34%	0.404%
90	14.610	2093	2095	2098	rVB	125538	103263	2.93%	0.273%
91	15.163	2185	2189	2192	rBV2	503911	758637	21.53%	2.006%
92	15.480	2240	2243	2249	rVB	329160	409348	11.62%	1.083%
93	15.545	2250	2254	2260	rVB	472227	579034	16.43%	1.531%
94	15.610	2261	2265	2268	rBV	337488	424353	12.04%	1.122%
95	17.145	2521	2526	2534	rVB2	180843	362898	10.30%	0.960%
96	17.610	2602	2605	2612	rVB	131263	234086	6.64%	0.619%

Sum of corrected areas: 37813889

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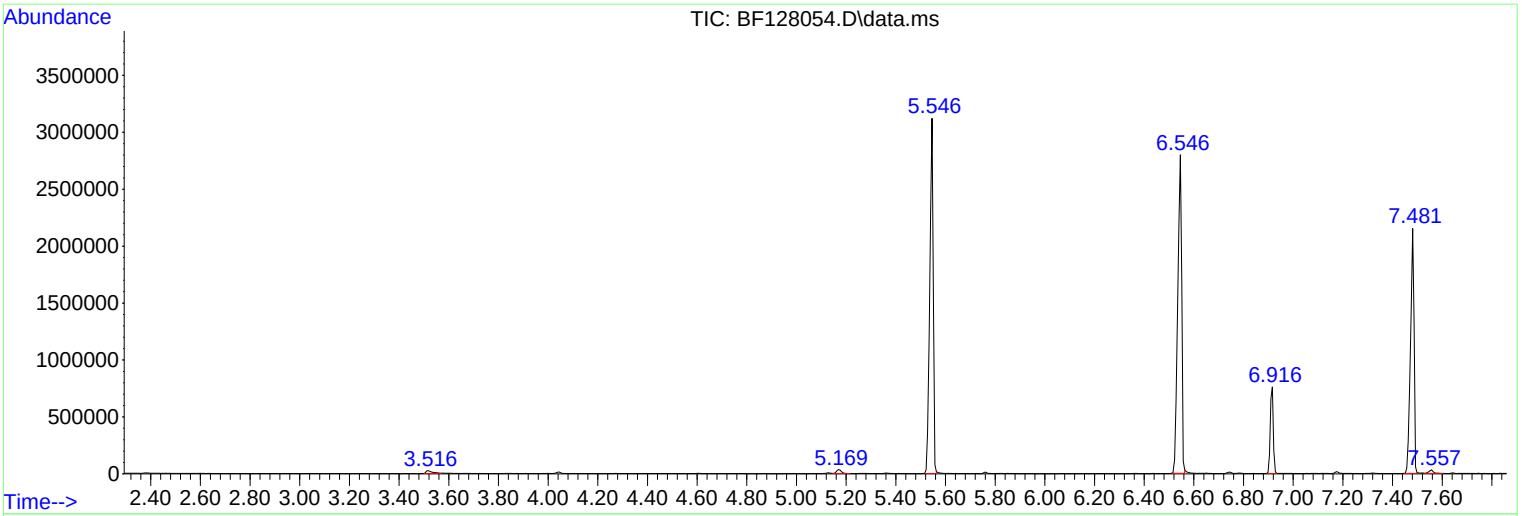
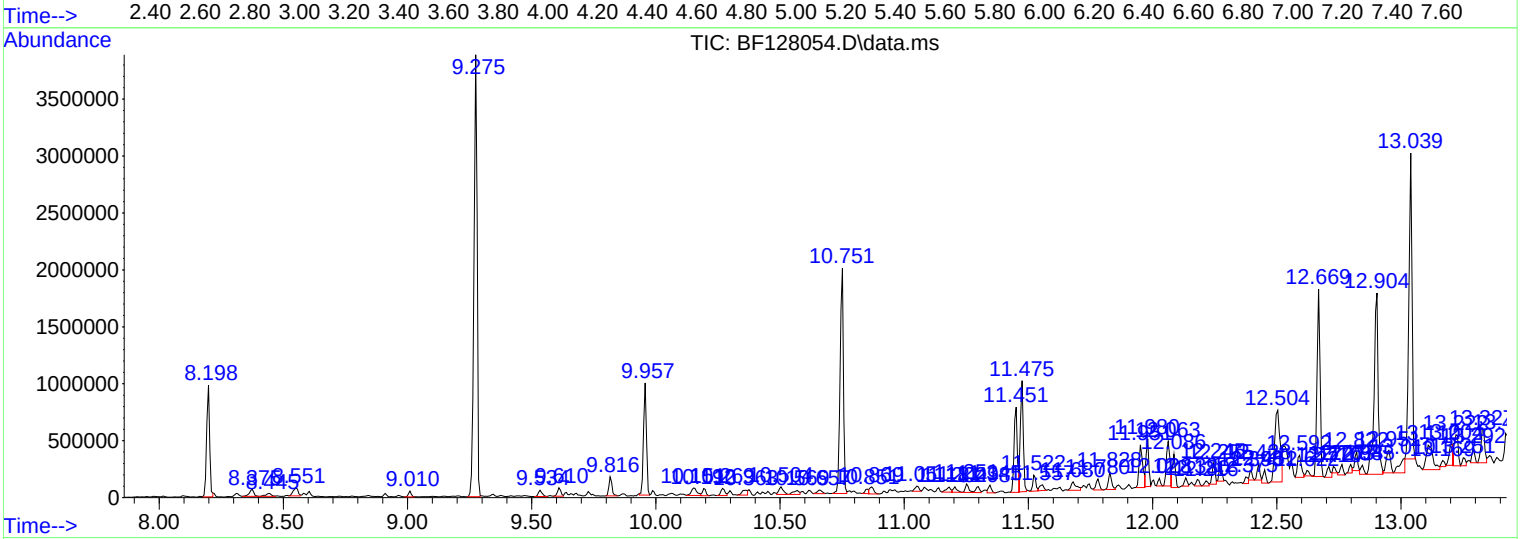
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

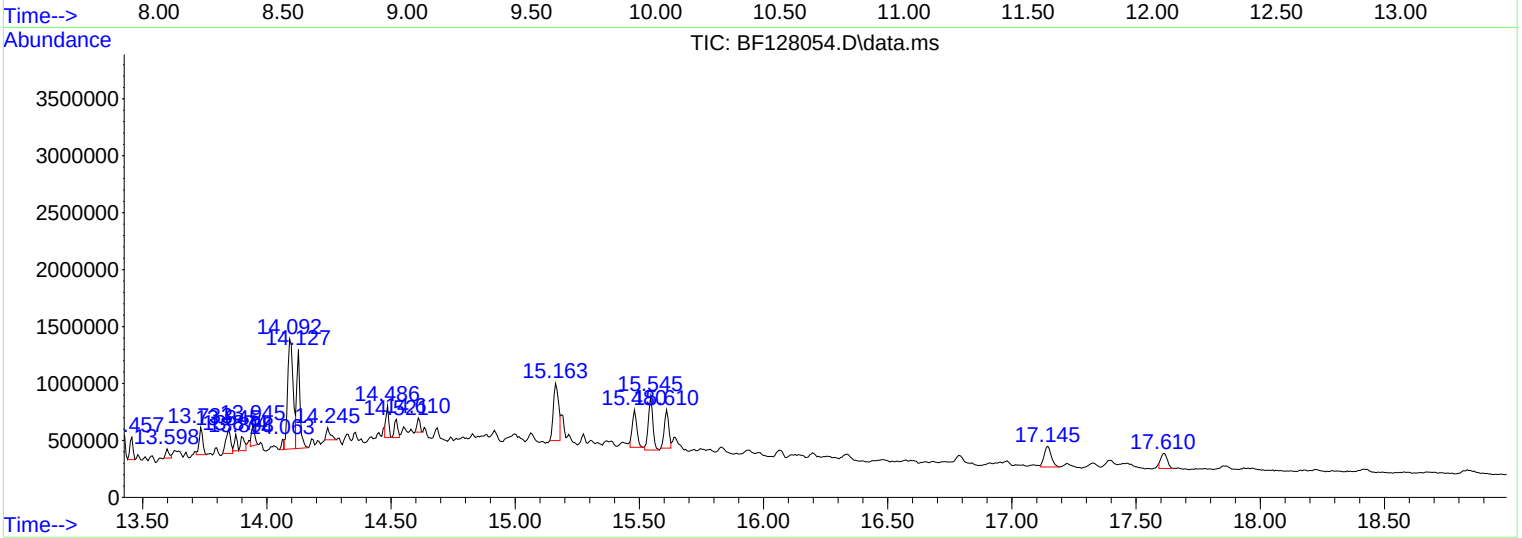
Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
ETGI-349

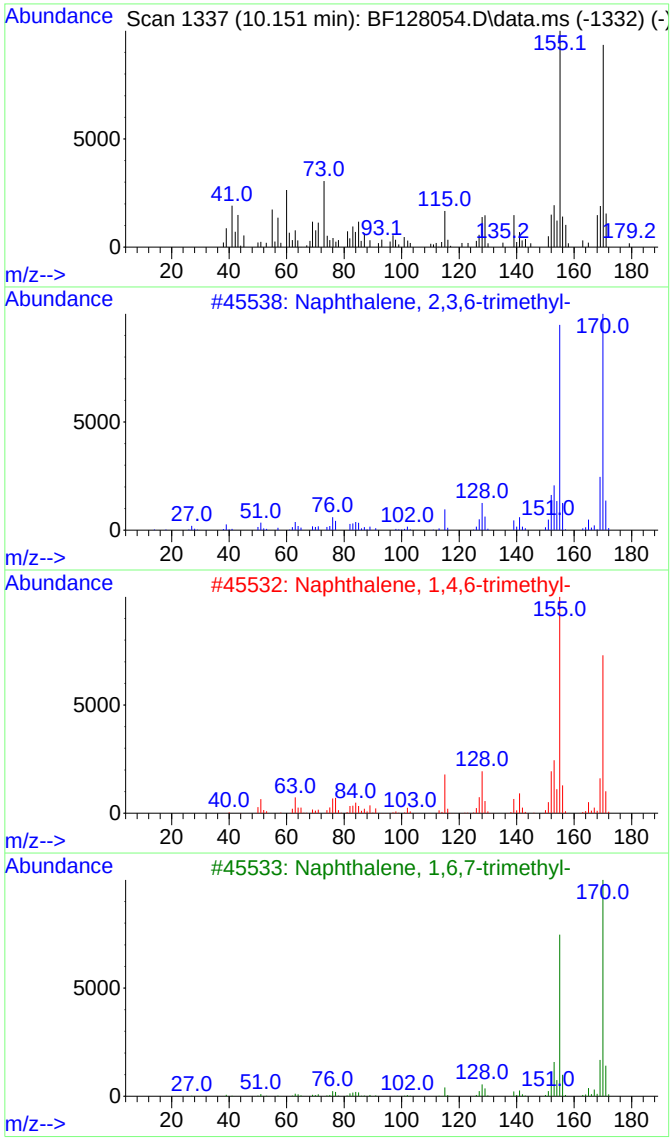
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

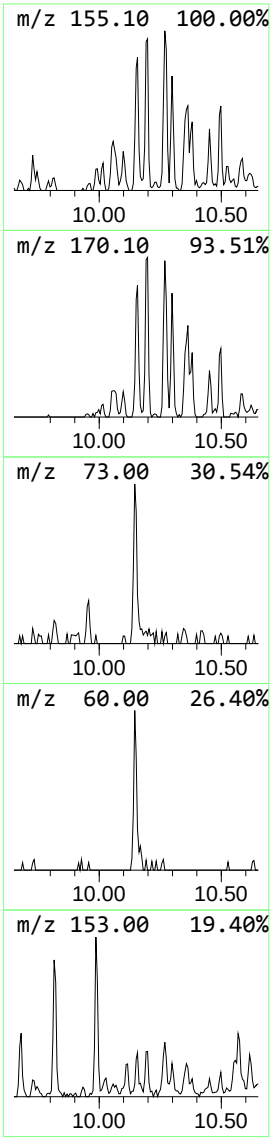
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.151	2.68 ng	105460	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

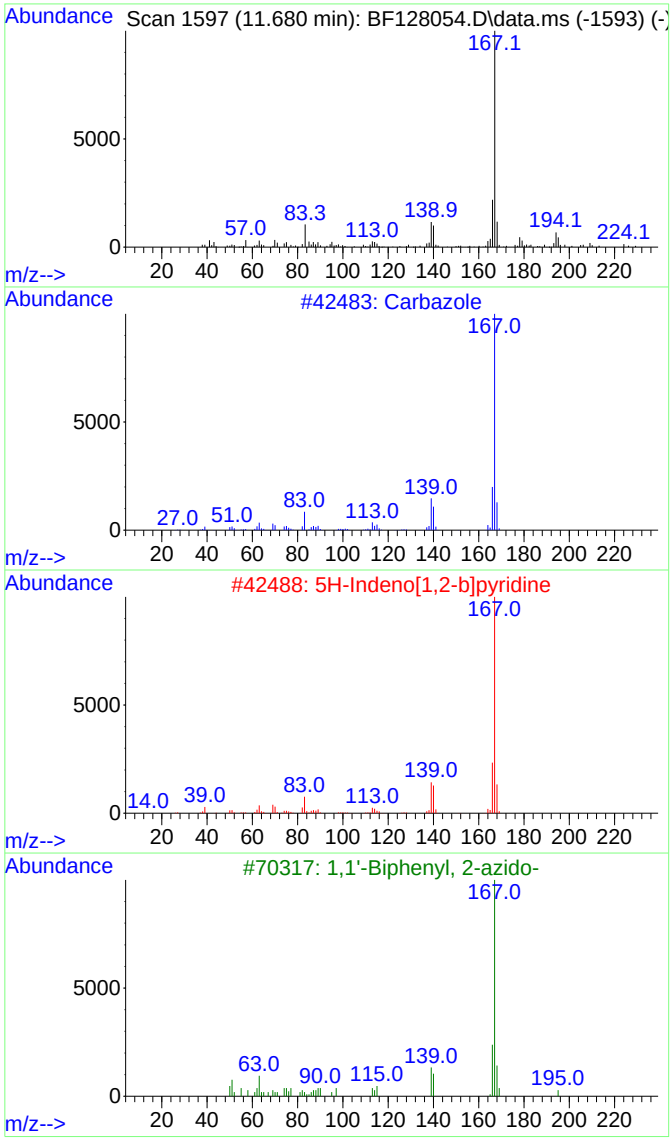
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

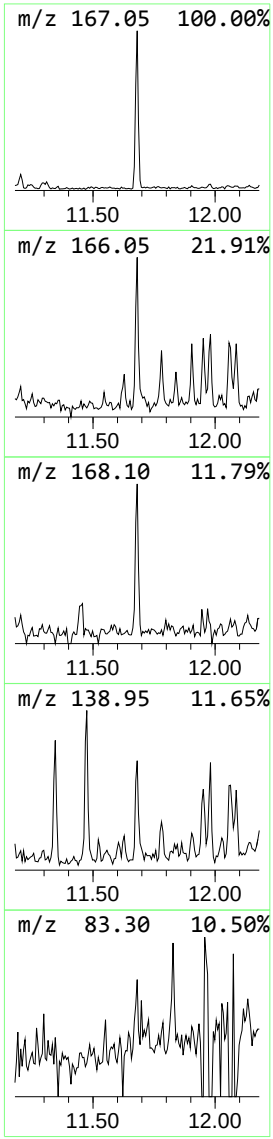
****

Peak Number 2 5H-Indeno[1,2-b]pyridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.681	3.11 ng	111419	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole	167	C12H9N	000086-74-8	93
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
5	ethanone, 1-(9H-carbazol-9-yl)-	209	C14H11NO	1000400-59-5	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

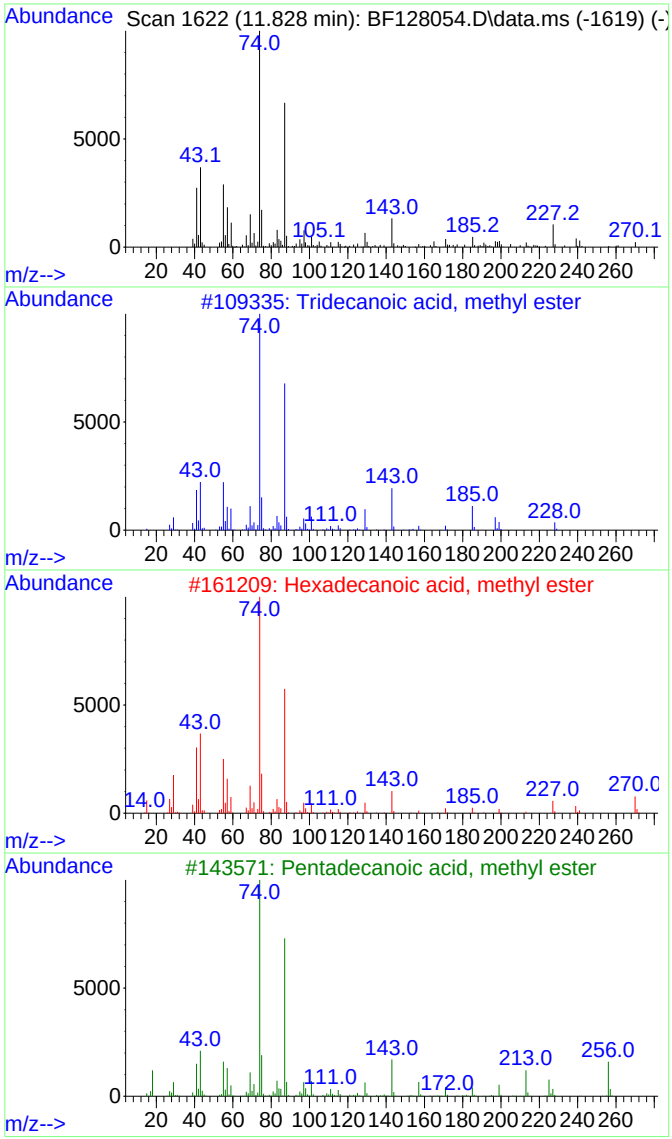
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

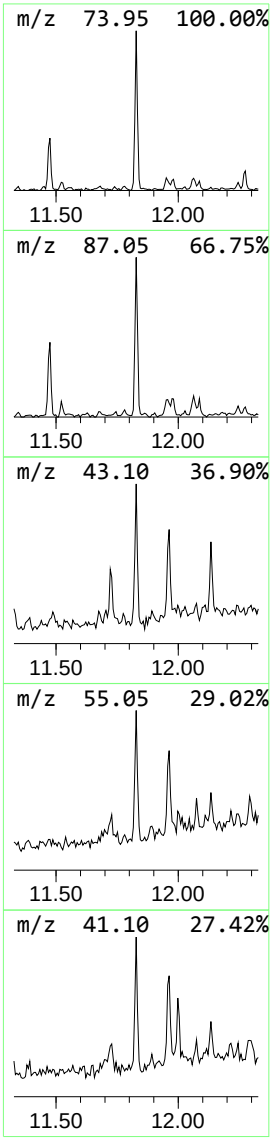
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Tridecanoic acid, methyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	3.81 ng	136331	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
5	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

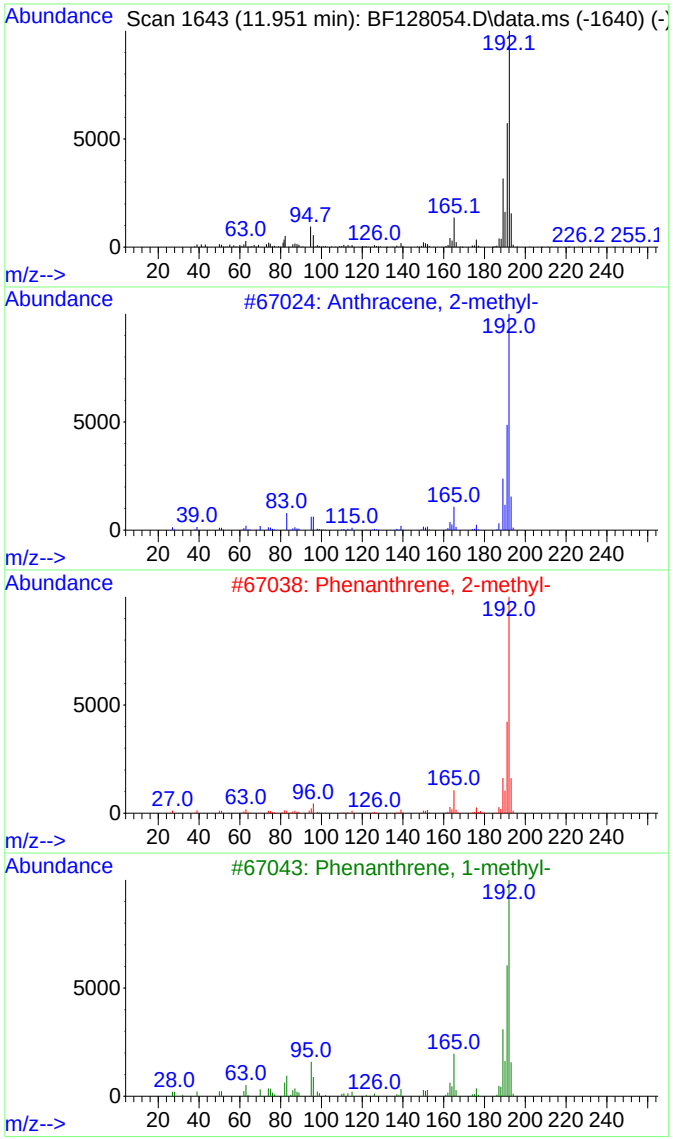
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

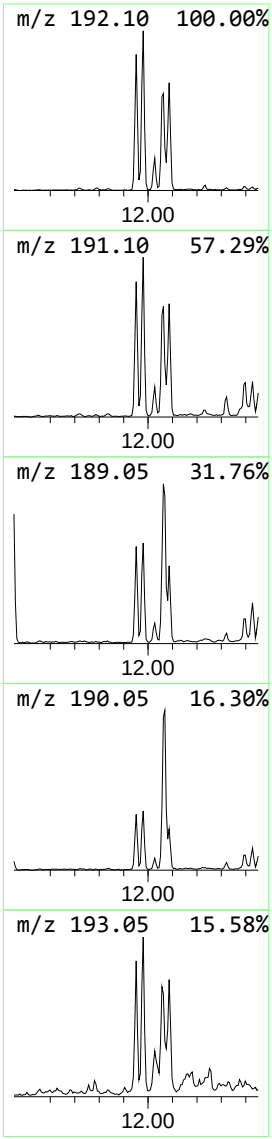
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	10.88 ng	389376	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

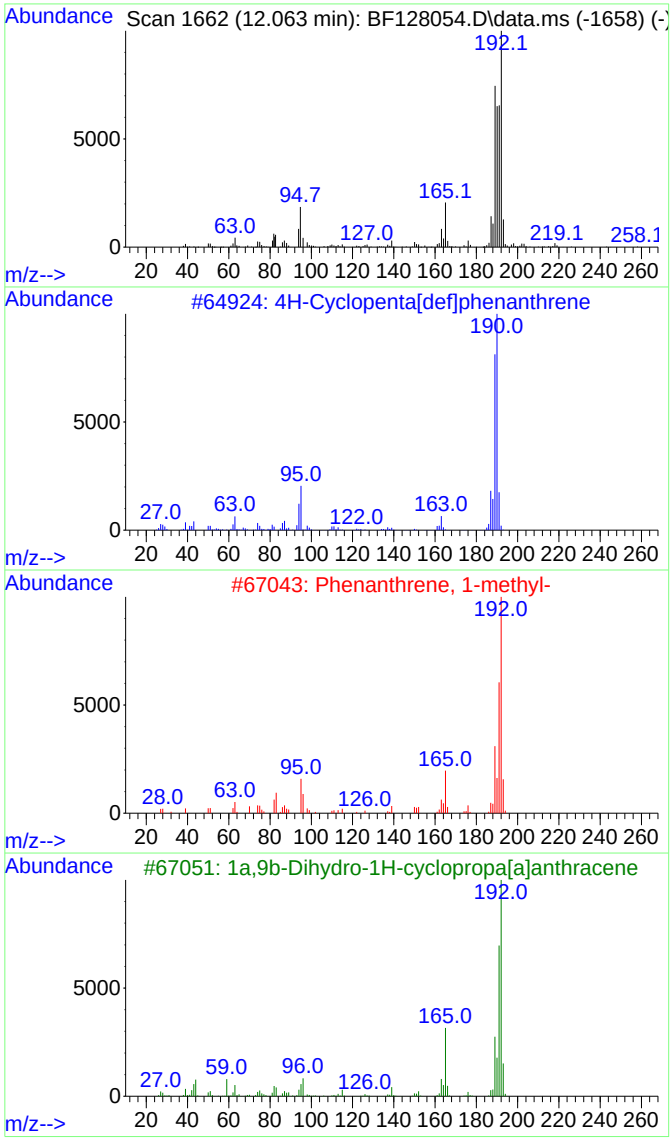
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

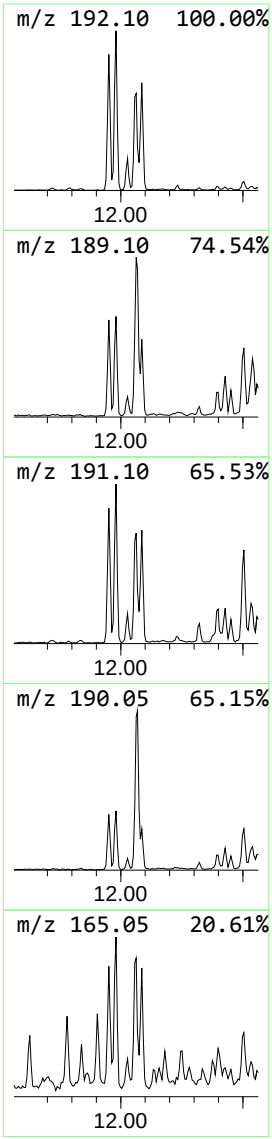
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	11.65 ng	416913	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50





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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

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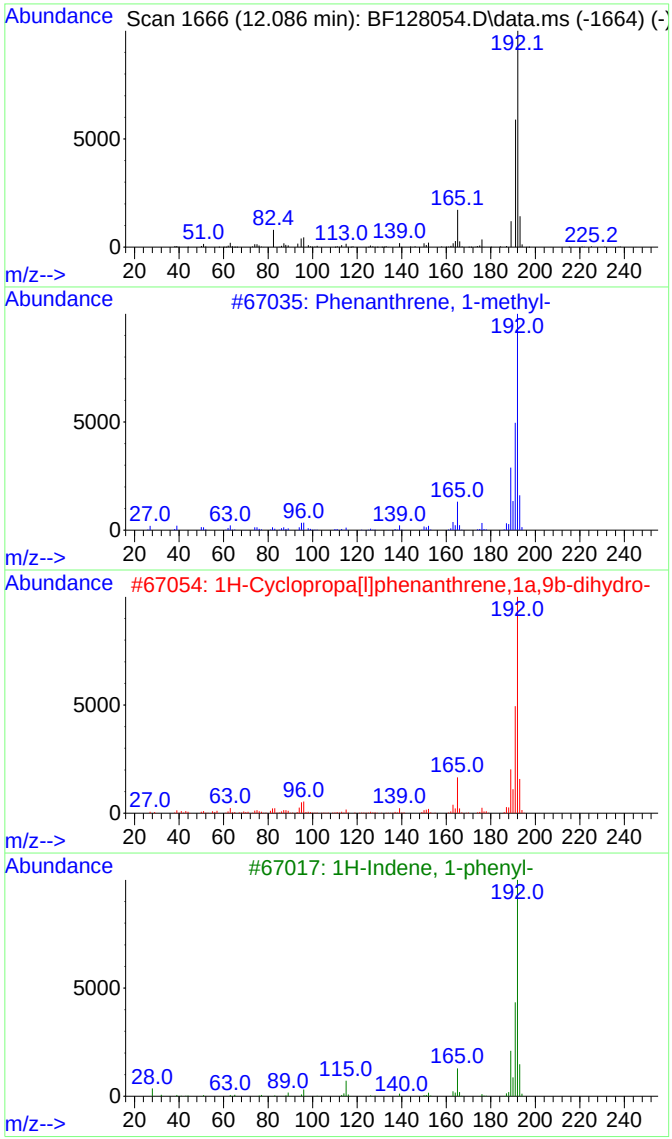
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

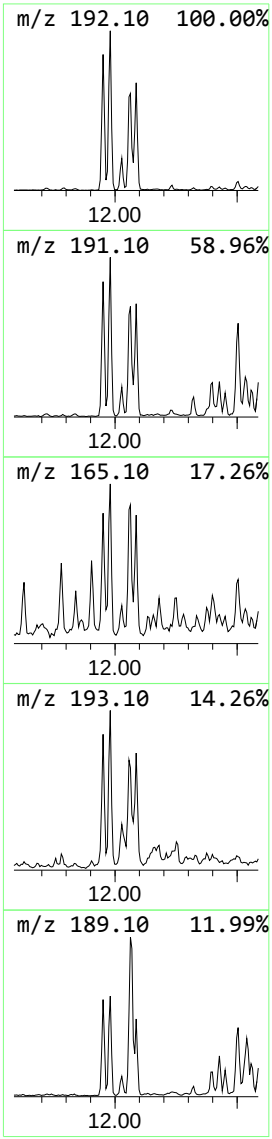
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	6.22 ng	222536	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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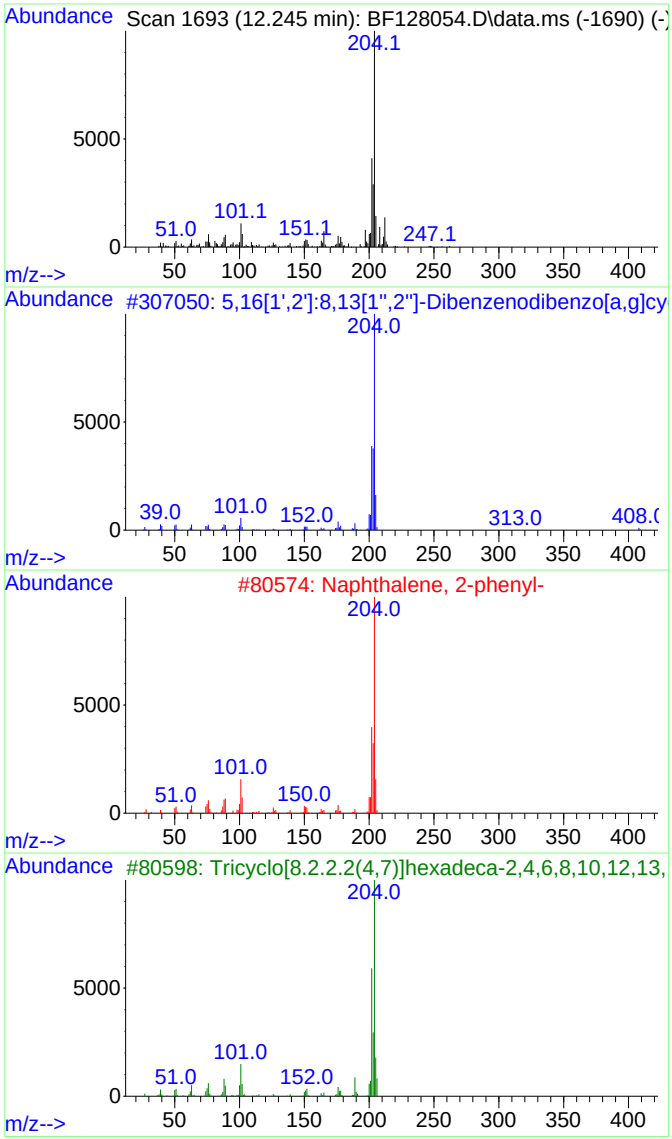
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

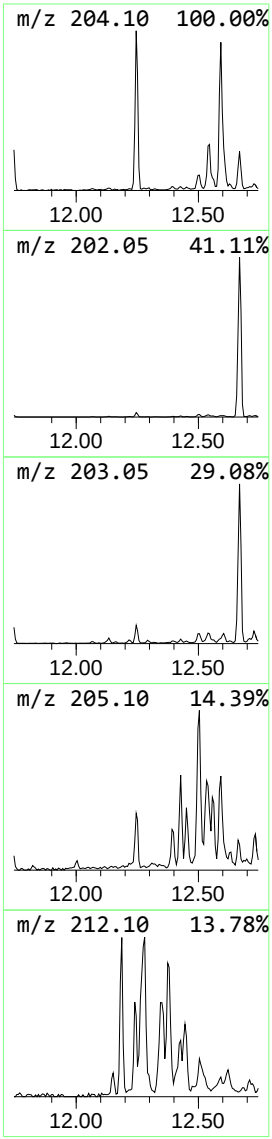
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	4.30 ng	153726	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

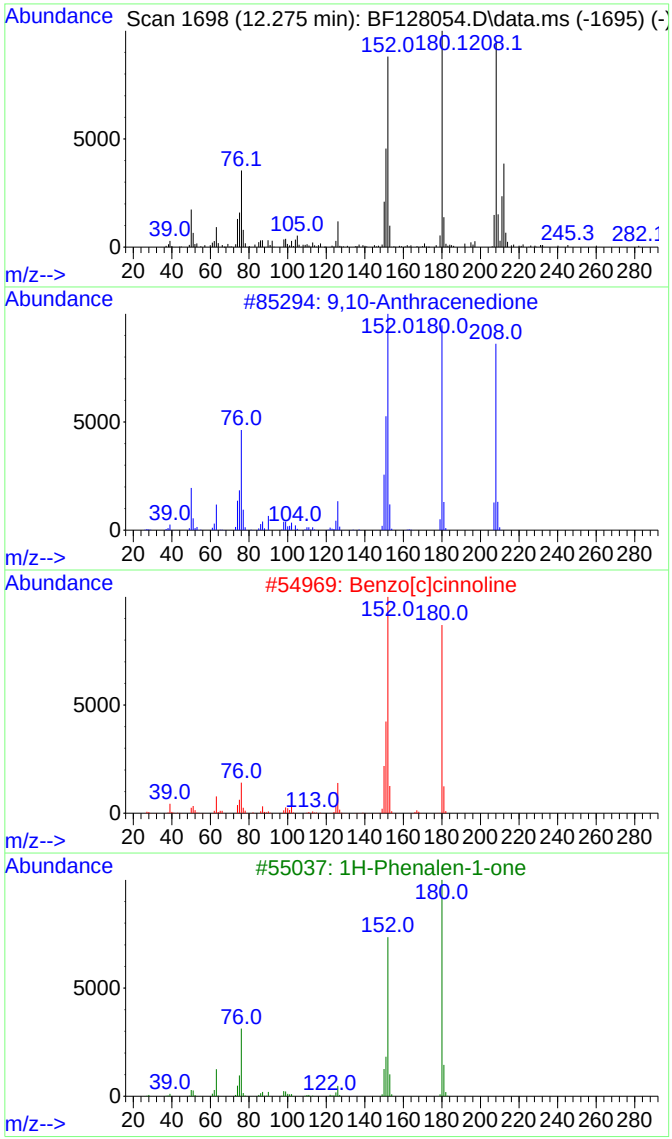
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

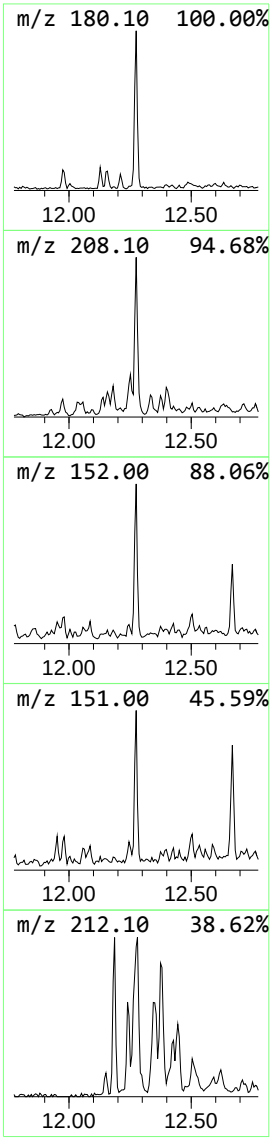
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.275	3.29 ng	117798	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49





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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

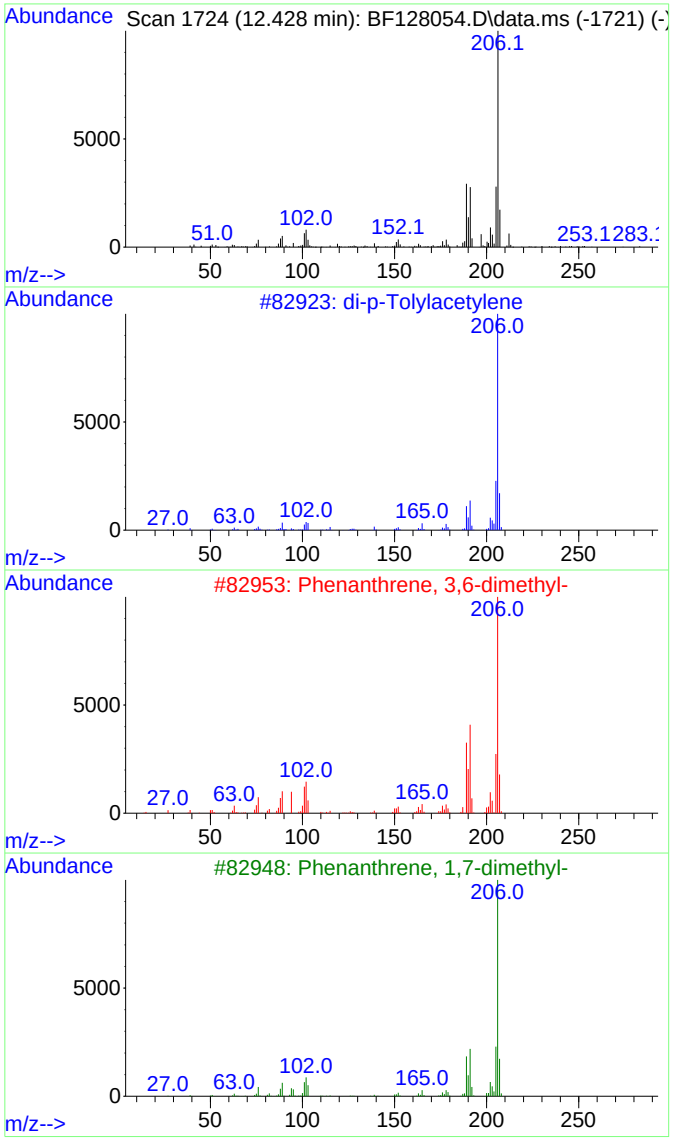
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

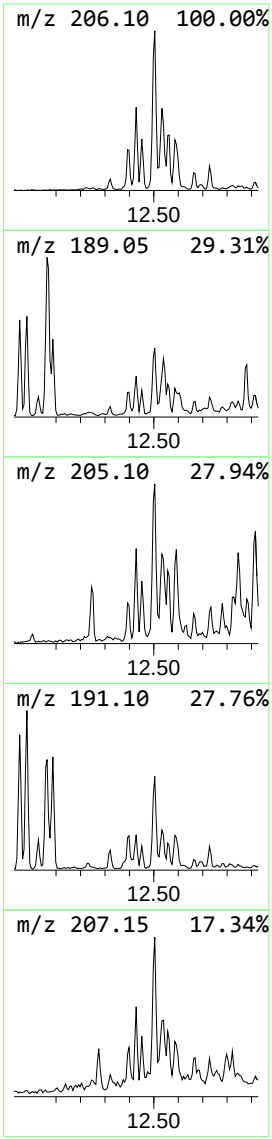
****

Peak Number 9 di-p-Tolylacetylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	2.91 ng	104204	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	81





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Acq On : 03 May 2022 19:12
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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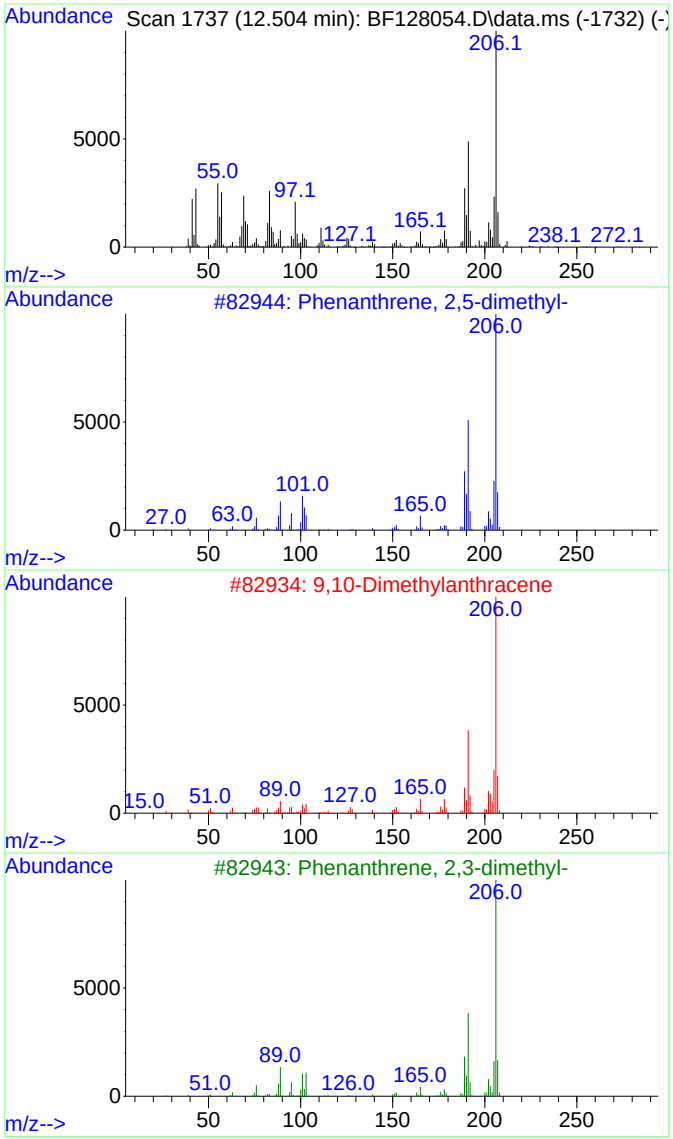
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

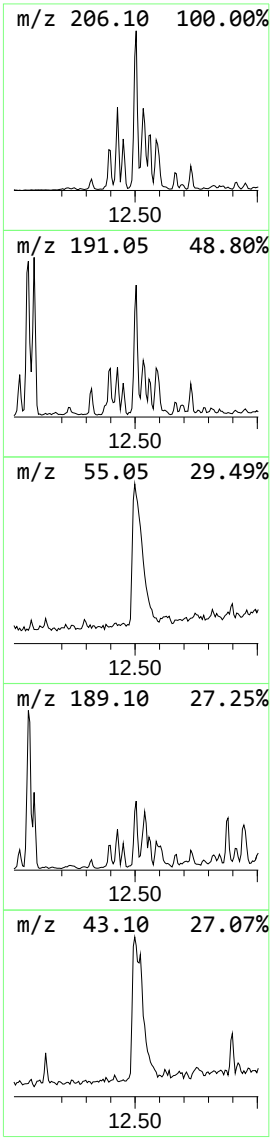
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	27.48 ng	983549	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	78
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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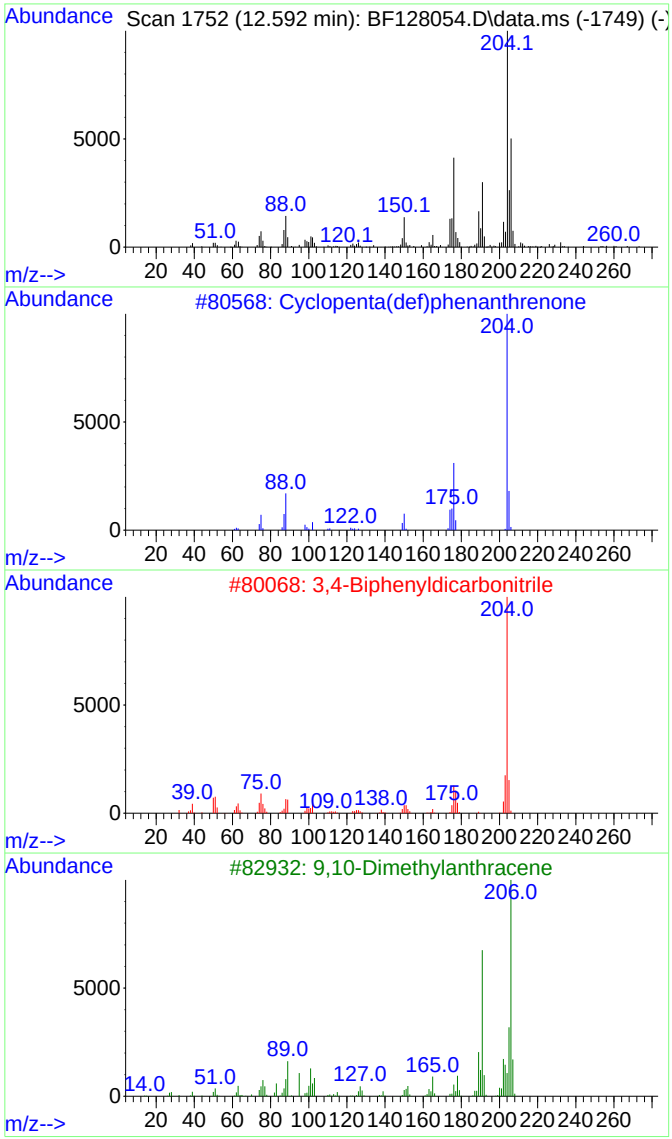
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

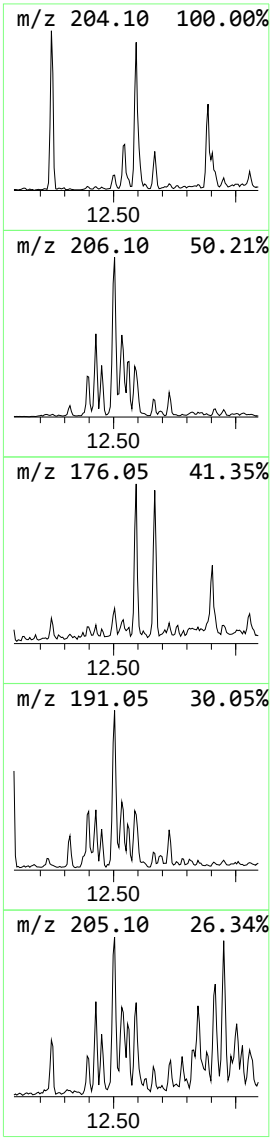
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.592	5.95 ng	212859	Phenanthrene-d10	11.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	35
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	35





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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

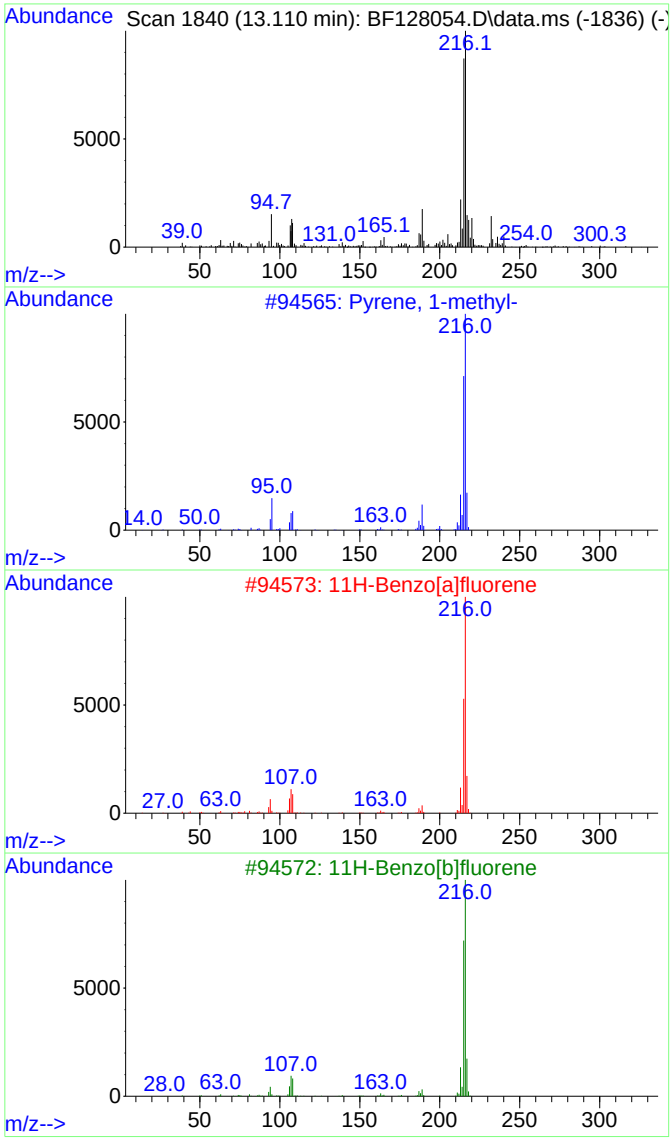
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

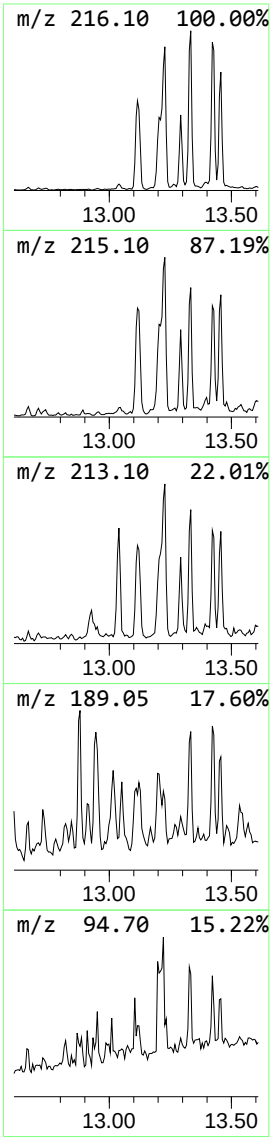
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	5.47 ng	412952	Chrysene-d12	14.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





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Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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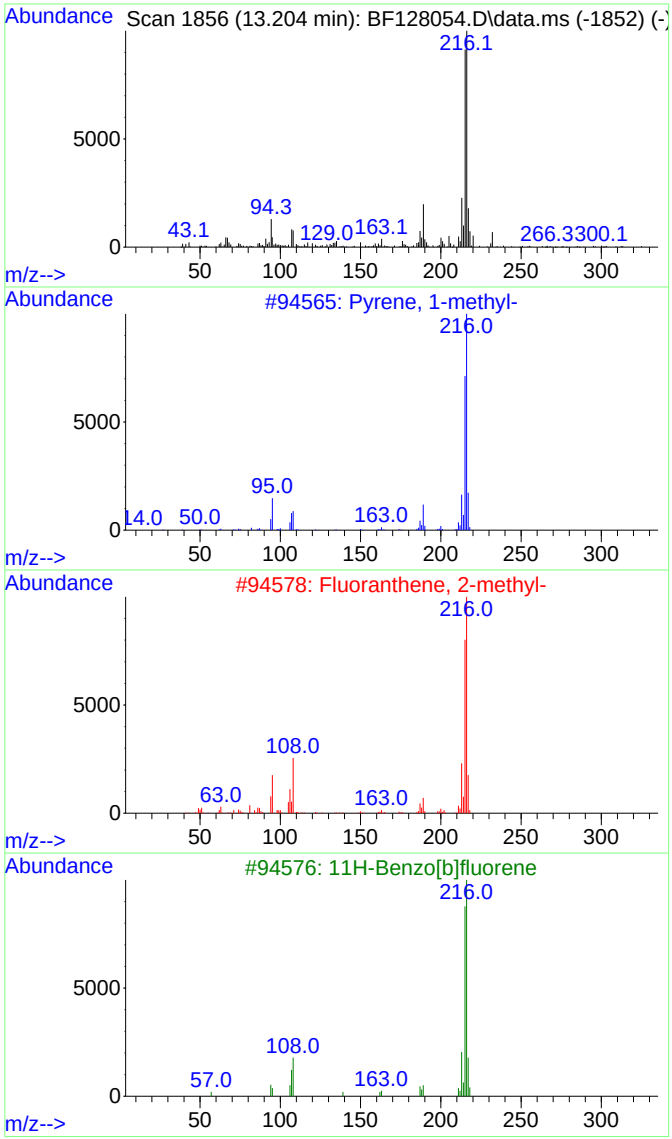
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

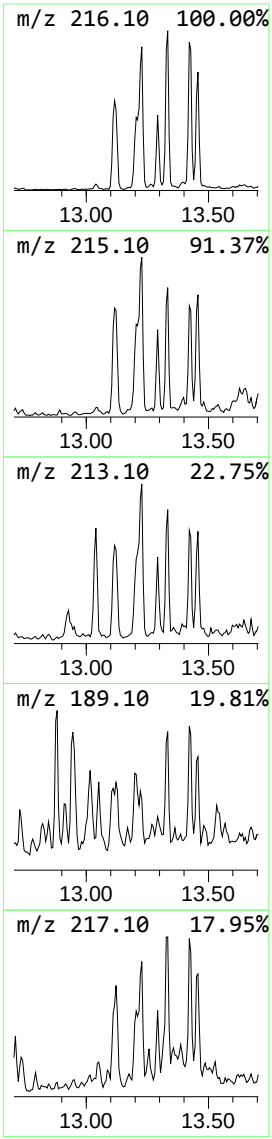
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	2.92 ng	220280	Chrysene-d12	14.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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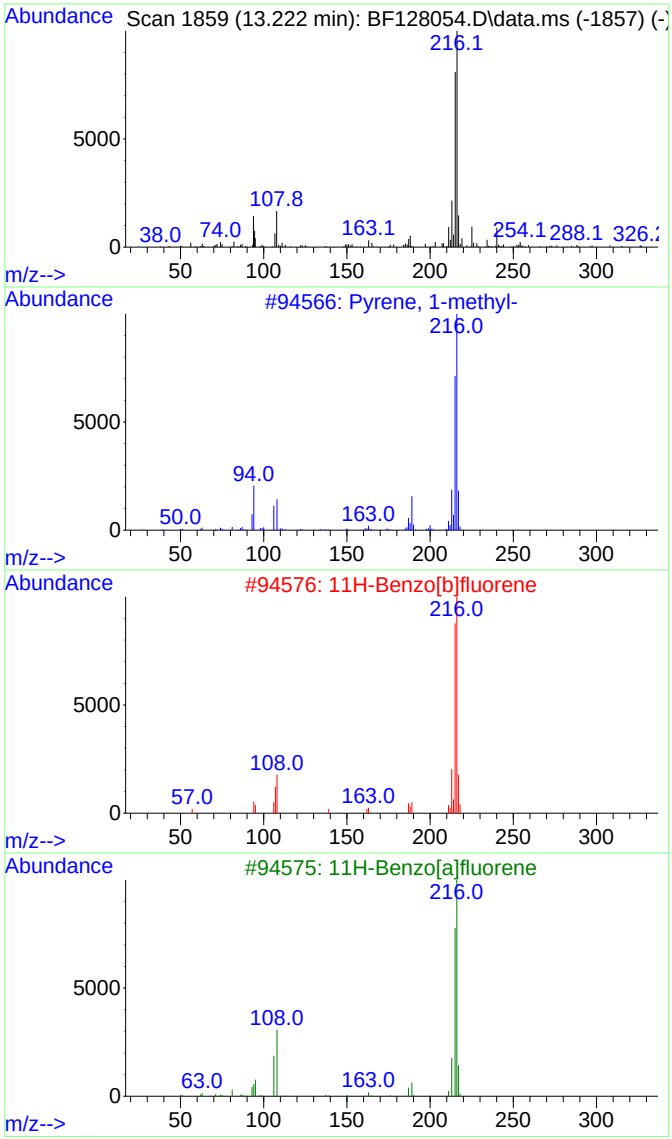
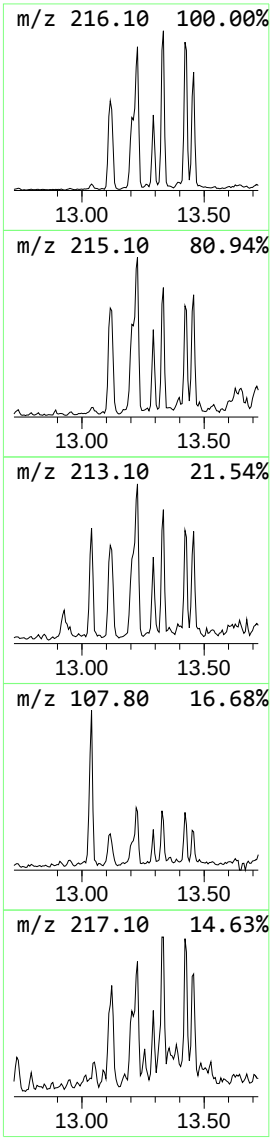
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.222	3.79 ng	286051	Chrysene-d12	14.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





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Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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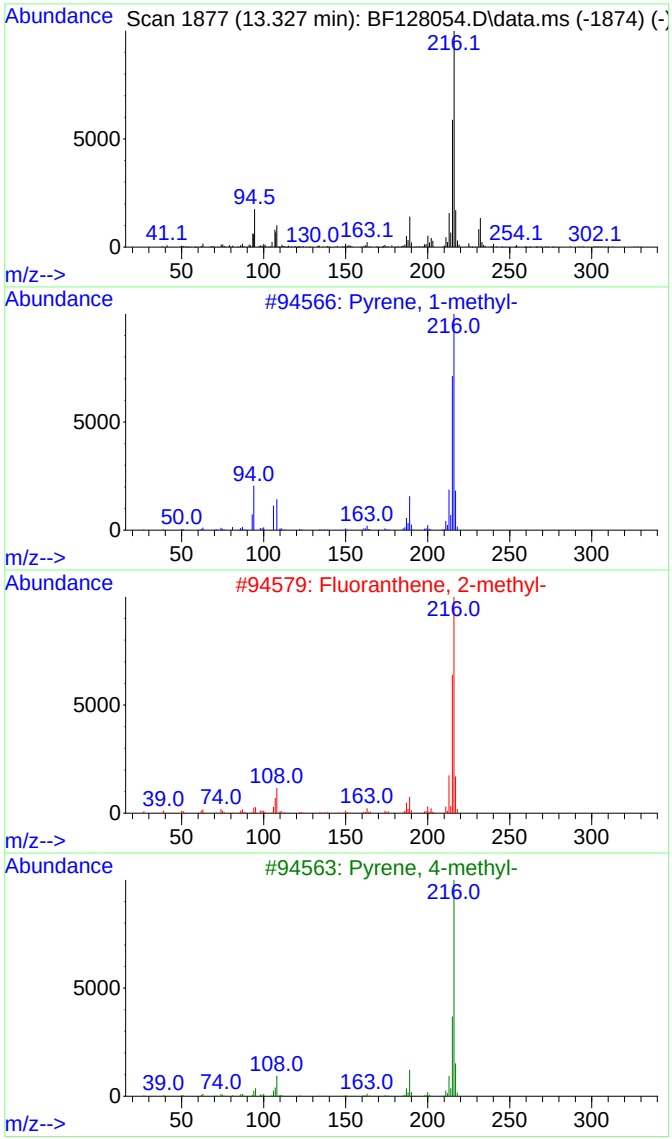
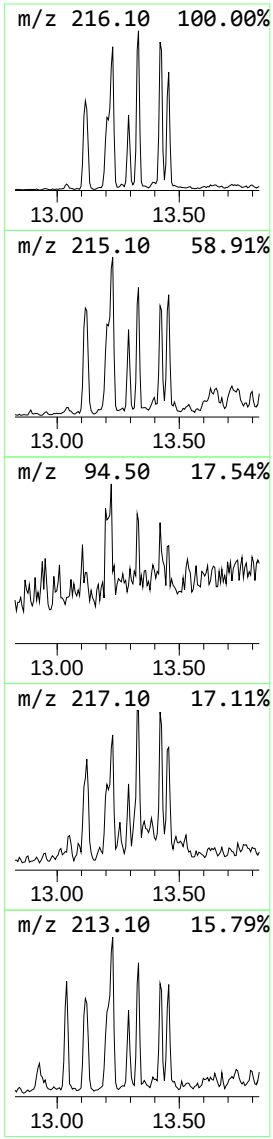
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.328	4.22 ng	318827	Chrysene-d12	14.098

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, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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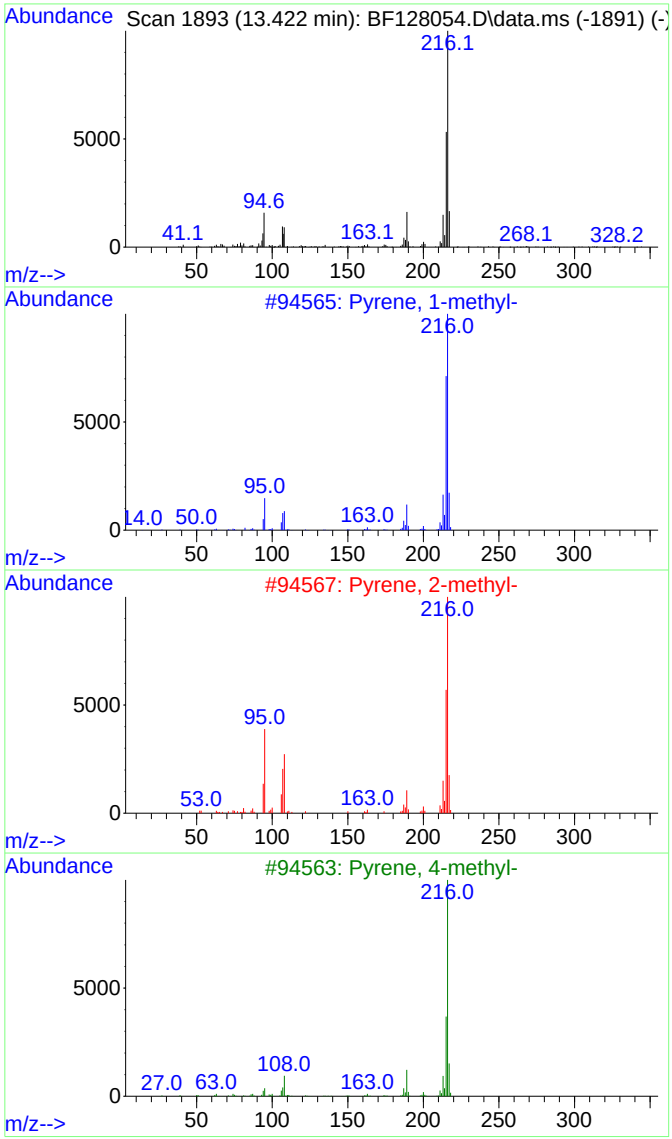
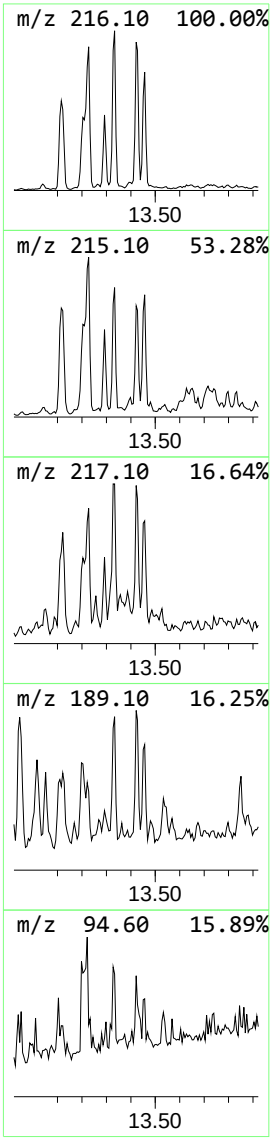
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.422	2.62 ng	197547	Chrysene-d12	14.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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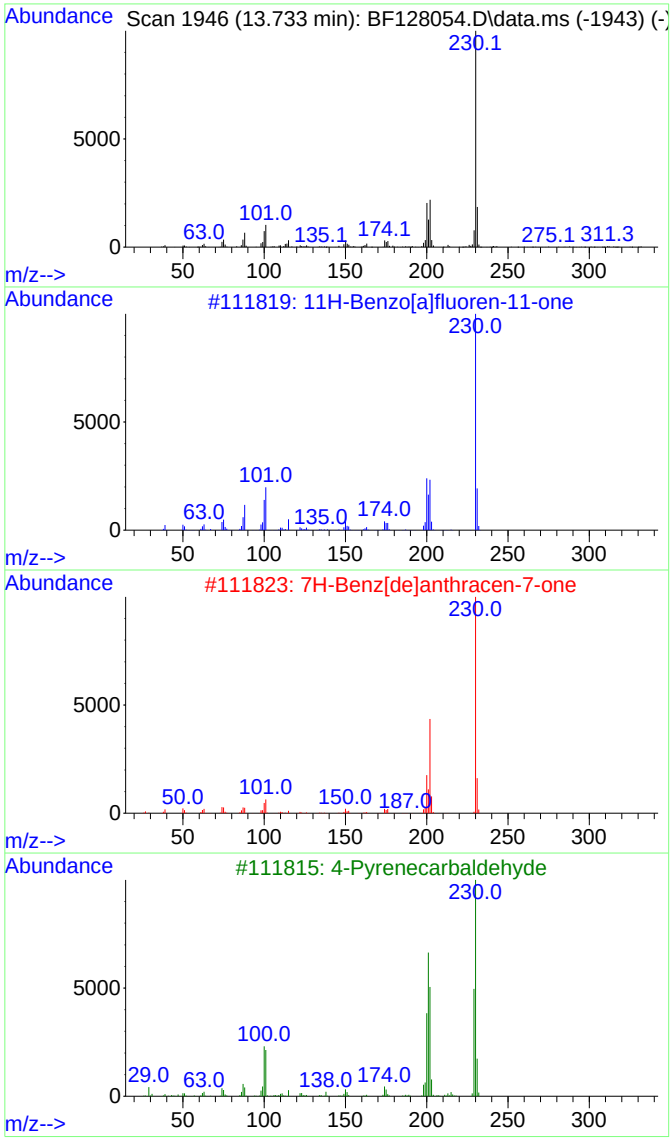
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

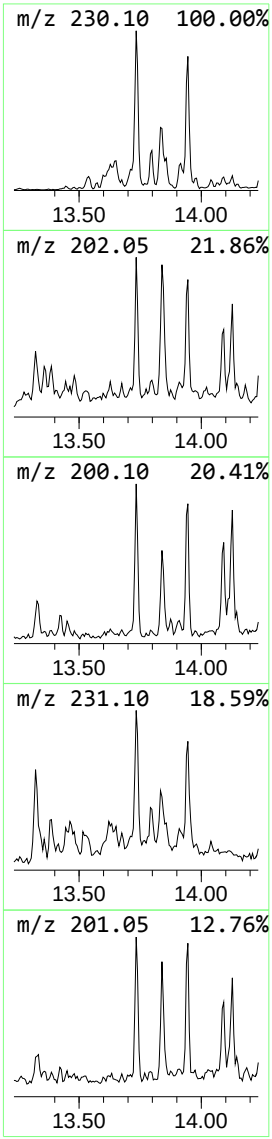
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.733	3.06 ng	231157	Chrysene-d12	14.098

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	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59





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Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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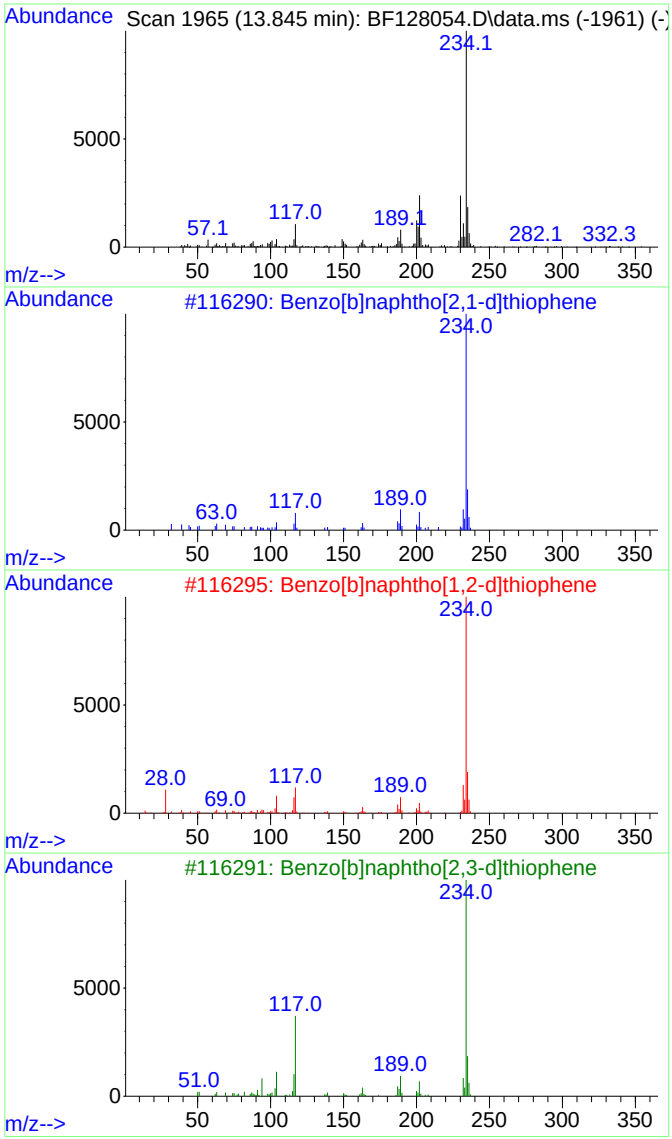
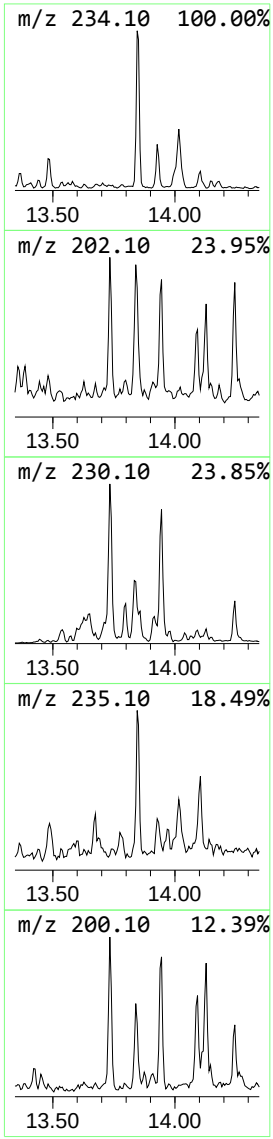
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	3.84 ng	289875	Chrysene-d12	14.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	52
4	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	50
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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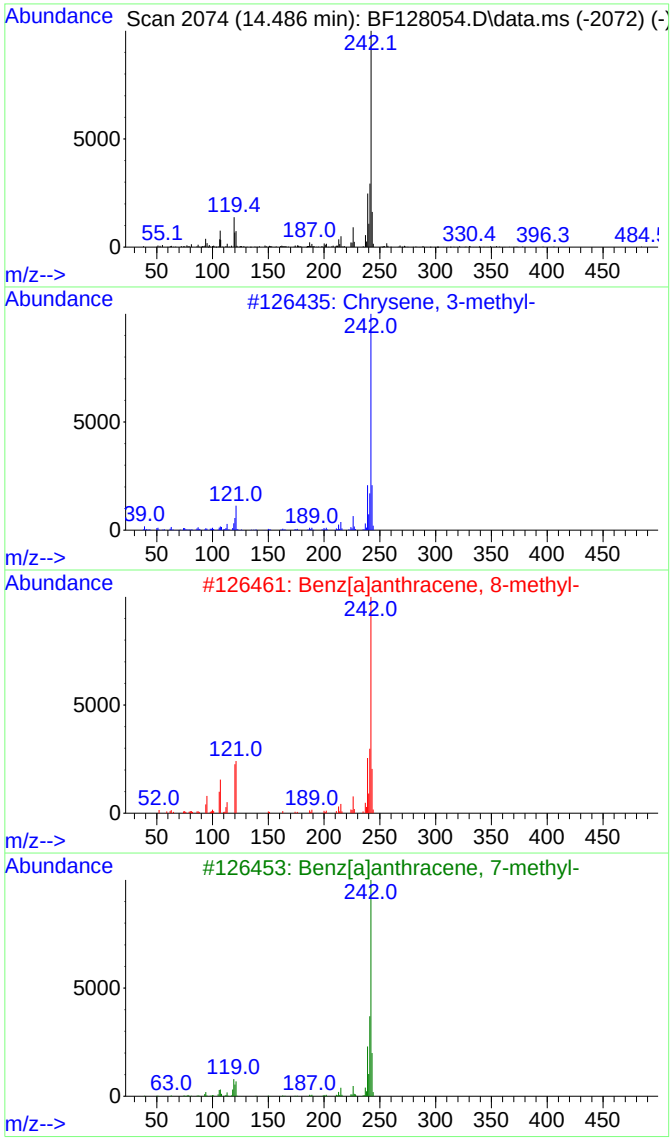
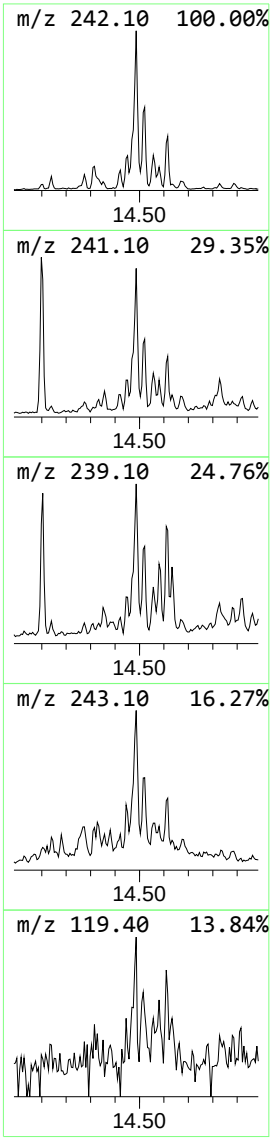
Peak Number 19 Chrysene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.486	2.78 ng	210331	Chrysene-d12	14.098

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	2-Methylchrysene	242	C19H14	003351-32-4	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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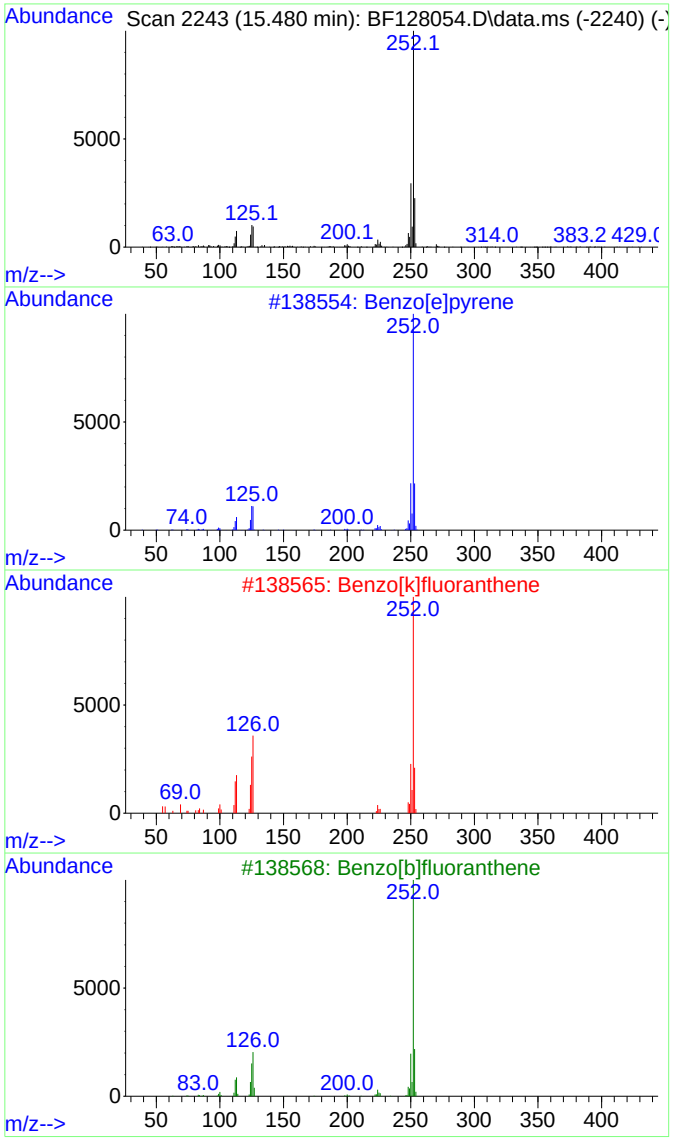
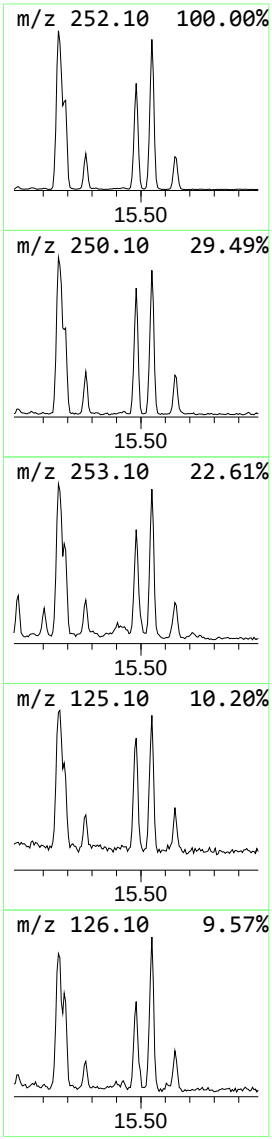
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.480	19.29 ng	409348	Perylene-d12	15.610

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
Data File : BF128054.D
Acq On : 03 May 2022 19:12
Operator : CG\JU
Sample : N2650-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-349

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,...	10.151	2.7	ng	105460	3	9.957	788069	20.0
5H-Indeno[1,2-b...	11.681	3.1	ng	111419	4	11.451	715777	20.0
Tridecanoic aci...	11.828	3.8	ng	136331	4	11.451	715777	20.0
Anthracene, 2-m...	11.951	10.9	ng	389376	4	11.451	715777	20.0
4H-Cyclopenta[d...	12.063	11.7	ng	416913	4	11.451	715777	20.0
Phenanthrene, 1...	12.086	6.2	ng	222536	4	11.451	715777	20.0
5,16[1',2']:8,1...	12.245	4.3	ng	153726	4	11.451	715777	20.0
9,10-Anthracene...	12.275	3.3	ng	117798	4	11.451	715777	20.0
di-p-Tolylacety...	12.428	2.9	ng	104204	4	11.451	715777	20.0
Phenanthrene, 2...	12.504	27.5	ng	983549	4	11.451	715777	20.0
Cyclopenta(def)...	12.592	6.0	ng	212859	4	11.451	715777	20.0
Pyrene, 1-methyl-	13.110	5.5	ng	412952	5	14.098	1510700	20.0
Fluoranthene, 2...	13.204	2.9	ng	220280	5	14.098	1510700	20.0
11H-Benzo[b]flu...	13.222	3.8	ng	286051	5	14.098	1510700	20.0
Pyrene, 4-methyl-	13.328	4.2	ng	318827	5	14.098	1510700	20.0
Pyrene, 2-methyl-	13.422	2.6	ng	197547	5	14.098	1510700	20.0
11H-Benzo[a]flu...	13.733	3.1	ng	231157	5	14.098	1510700	20.0
Benzo[b]naphtho...	13.845	3.8	ng	289875	5	14.098	1510700	20.0
Chrysene, 3-met...	14.486	2.8	ng	210331	5	14.098	1510700	20.0
Benzo[e]pyrene	15.480	19.3	ng	409348	6	15.610	424353	20.0