LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSP-SS-03-01-03-D

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130919.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.211	16	21	27	rVB	141326	173416	3.15%	0.310%
2	5.540	582	587	597	rBV	187943	172385	3.14%	0.308%
3	6.546	754	758	762	rBV2	184816	184835	3.36%	0.331%
4	6.934	821	824	828	rVB	551062	496138	9.02%	0.887%
5	8.222	1039	1043	1045	rBV	682212	554227	10.08%	0.991%
6	8.245	1045	1047	1049	rVB	151395	114352	2.08%	0.205%
7	8.939	1161	1165	1168	rVB	444443	389845	7.09%	0.697%
8	9.039	1176	1182	1185	rVB	415292	385463	7.01%	0.689%
9	9.298	1222	1226	1229	rVB	202897	164552	2.99%	0.294%
10	9.498	1257	1260	1266	rVB	116785	129403	2.35%	0.231%
11	9.569	1266	1272	1276	rBV	240884	323398	5.88%	0.578%
12	9.639	1280	1284	1286	rBV	420892	385069	7.00%	0.689%
13	9.669	1286	1289	1292	rVB	241631	203069	3.69%	0.363%
14	9.757	1299	1304	1309	rBV	217443	230648	4.20%	0.413%
15	9.845	1316	1319	1322	rVB	163580	152822	2.78%	0.273%
16	9.986	1340	1343	1345	rVV	602127	523698	9.53%	0.937%
17	10.016	1345	1348	1351	rVB	791304	646788	11.76%	1.157%
18	10.086	1356	1360	1364	rBV2	89259	120670	2.19%	0.216%
19	10.139	1364	1369	1372	rVV2	82141	119191	2.17%	0.213%
20	10.186	1373	1377	1381	rVV	687039	701549	12.76%	1.255%
21	10.222	1381	1383	1387	rVB	136019	123924	2.25%	0.222%
22	10.298	1392	1396	1399	rBV2	154373	151157	2.75%	0.270%
23	10.392	1407	1412	1413	rBV	103938	122041	2.22%	0.218%
24	10.533	1432	1436	1441	rVV	1155743	1089370	19.81%	1.949%
25	10.581	1441	1444	1446	rVV	102246	119212	2.17%	0.213%
26	10.598	1446	1447	1449	rVV	168999	126492	2.30%	0.226%
27	10.622	1449	1451	1453	rVV	210163	175129	3.19%	0.313%
28	10.692	1460	1463	1466	rVB	298336	290914	5.29%	0.520%
29	10.775	1473	1477	1481	rVV	394703	446321	8.12%	0.798%
30	10.898	1493	1498	1502	rVB5	97061	117081	2.13%	0.209%
31	11.086	1523	1530	1532	rBV	295838	361990	6.58%	0.648%
32	11.110	1532	1534	1537	rVV2	169996	160185	2.91%	0.287%
33	11.169	1541	1544	1546	rVV	153824	136615	2.48%	0.244%
34	11.210	1546	1551	1553	rVV3	166537	202708	3.69%	0.363%
35	11.233	1553	1555	1560	rVV3	194707	221977	4.04%	0.397%
36	11.280	1560	1563	1567	rVV2	134303	138981	2.53%	0.249%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.322	1567	1570	1574	rVV	174777	213066	3.88%	0.381%
38	11.375	1576	1579	1584	rVB	430536	382587	6.96%	0.684%
39	11.480	1593	1597	1599	rBV	531867	595850	10.84%	1.066%
40	11.516	1599	1603	1606	rVV	4488065	4527372	82.35%	8.098%
41	11.563	1607	1611	1613	rVV	2105270	1718522	31.26%	3.074%
42	11.586	1613	1615	1618	rVB2	114860	112763	2.05%	0.202%
43	11.710	1629	1636	1638	rBV2	357807	373706	6.80%	0.668%
44	11.775	1645	1647	1651	rBV2	178135	139904	2.54%	0.250%
45	11.810	1651	1653	1658	rVB3	169331	167742	3.05%	0.300%
46	11.986	1677	1683	1685	rBV	709176	747361	13.59%	1.337%
47	12.010	1685	1687	1691	rVB	970117	893070	16.24%	1.597%
48	12.063	1691	1696	1699	rBV	571785	550364	10.01%	0.984%
49	12.098	1699	1702	1704	rVV2	1303296	1414134	25.72%	2.530%
50	12.122	1704	1706	1709	rVB	579926	443634	8.07%	0.794%
51	12.280	1729	1733	1735	rVV	588727	511027	9.29%	0.914%
52	12.304	1735	1737	1741	rVB	169382	149925	2.73%	0.268%
53	12.427	1753	1758	1761	rBV2	182767	201503	3.67%	0.360%
54	12.457	1761	1763	1765	rVV	164280	121311	2.21%	0.217%
55	12.480	1765	1767	1770	rVB	153942	138005	2.51%	0.247%
56	12.533	1770	1776	1779	rBV	454114	570937	10.38%	1.021%
57	12.575	1779	1783	1788	rVB3	319606	487785	8.87%	0.873%
58	12.627	1788	1792	1797	rBV2	327694	423126	7.70%	0.757%
59	12.716	1801	1807	1809	rBV	4439664	5134337	93.39%	9.184%
60	12.763	1813	1815	1818	rVB2	164172	130804	2.38%	0.234%
61	12.851	1823	1830	1834	rBV4	232722	407009	7.40%	0.728%
62	12.945	1838	1846	1849	rBV2	3996069	5497885	100.00%	9.834%
63	12.980	1849	1852	1856	rVB2	321976	355738	6.47%	0.636%
64	13.051	1860	1864	1865	rBV	340937	336024	6.11%	0.601%
65	13.069	1865	1867	1868	rVV	161672	127107	2.31%	0.227%
66	13.086	1868	1870	1874	rVB	287042	272534	4.96%	0.487%
67	13.151	1875	1881	1884	rBV2	414570	717233	13.05%	1.283%
68	13.233	1891	1895	1897	rBV5	289284	369484	6.72%	0.661%
69	13.257	1897	1899	1902	rVB	816803	794603	14.45%	1.421%
70	13.292	1902	1905	1908	rBV3	76503	110341	2.01%	0.197%
71	13.327	1908	1911	1913	rBV	725907	598698	10.89%	1.071%
72	13.363	1913	1917	1920	rVV2	573129	652001	11.86%	1.166%
73	13.457	1930	1933	1935	rBV	337607	268240	4.88%	0.480%
74	13.486	1935	1938	1941	rVV	328029	288685	5.25%	0.516%
75	13.563	1949	1951	1955	rVB3	98657	118561	2.16%	0.212%
76	13.633	1960	1963	1965	rBV3	102045	126347	2.30%	0.226%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.739	1978	1981	1983	rVV	127988	143790	2.62%	0.257%
78	13.769	1983	1986	1990	rVV	282869	366588	6.67%	0.656%
79	13.880	2000	2005	2008	rVV3	290785	428054	7.79%	0.766%
80	13.910	2008	2010	2012	rVV	482421	399833	7.27%	0.715%
81	13.933	2012	2014	2018	rVV2	327084	450905	8.20%	0.807%
82	13.974	2019	2021	2025	rVB	272453	265990	4.84%	0.476%
83	14.127	2040	2047	2051	rBV3	2038941	2955667	53.76%	5.287%
84	14.169	2051	2054	2059	rVB	1730762	1640255	29.83%	2.934%
85	14.239	2064	2066	2070	rVV	268797	245071	4.46%	0.438%
86	14.357	2082	2086	2089	rBV2	150894	217443	3.96%	0.389%
87	14.521	2109	2114	2116	rVV	435187	472118	8.59%	0.844%
88	14.551	2117	2119	2123	rVB	214181	193105	3.51%	0.345%
89	14.616	2128	2130	2133	rVV	232921	247058	4.49%	0.442%
90	14.645	2133	2135	2137	rVV	243555	242011	4.40%	0.433%
91	14.669	2137	2139	2143	rVV3	252535	254831	4.64%	0.456%
92	14.716	2143	2147	2154	rVB4	131815	238340	4.34%	0.426%
93	15.210	2226	2231	2234	rBV	942923	1624282	29.54%	2.905%
94	15.316	2246	2249	2253	rBV	245488	272012	4.95%	0.487%
95	15.527	2281	2285	2291	rVB	584229	817940	14.88%	1.463%
96	15.598	2292	2297	2302	rBV	990597	1277774	23.24%	2.286%
97	15.657	2303	2307	2310	rVV	228480	330711	6.02%	0.592%
98	15.692	2310	2313	2319	rVB2	271771	377270	6.86%	0.675%
99	17.215	2566	2572	2579	rVB2	314608	664288	12.08%	1.188%
100	17.686	2647	2652	2661	rVB	199423	435020	7.91%	0.778%

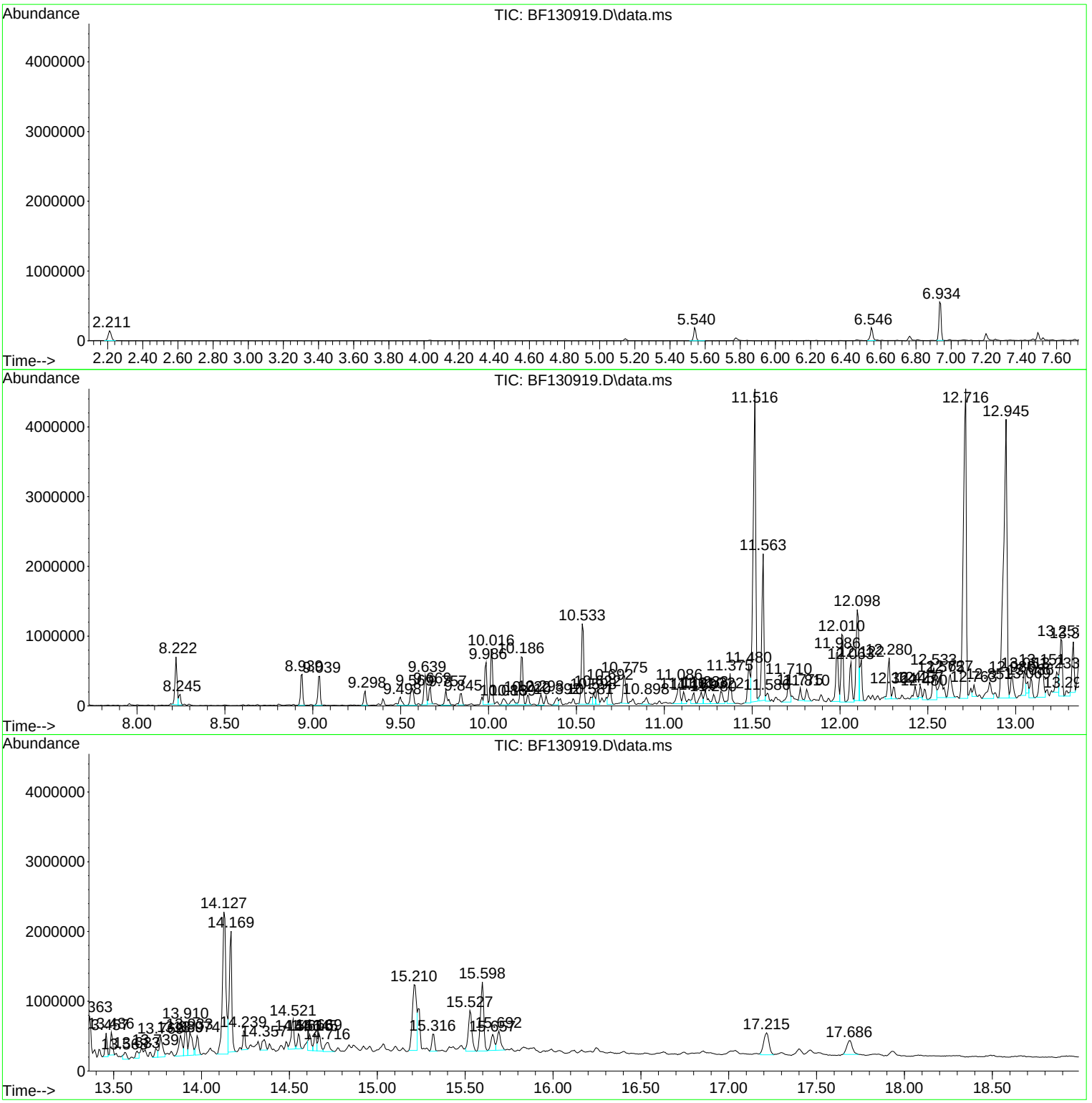
Sum of corrected areas: 55905296

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

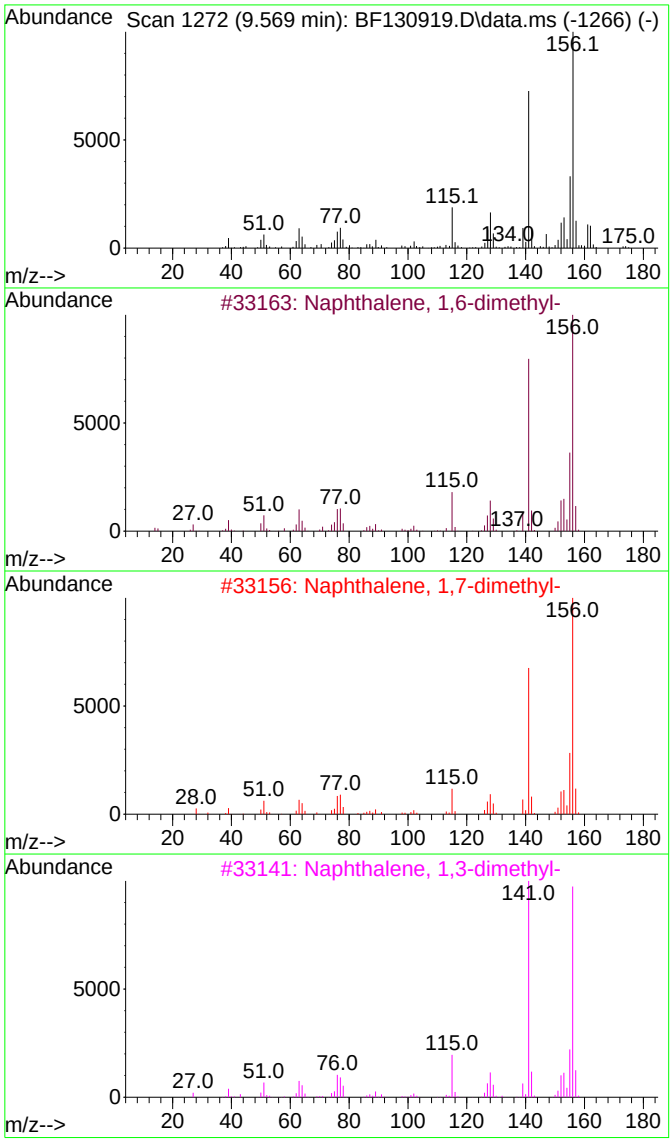
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

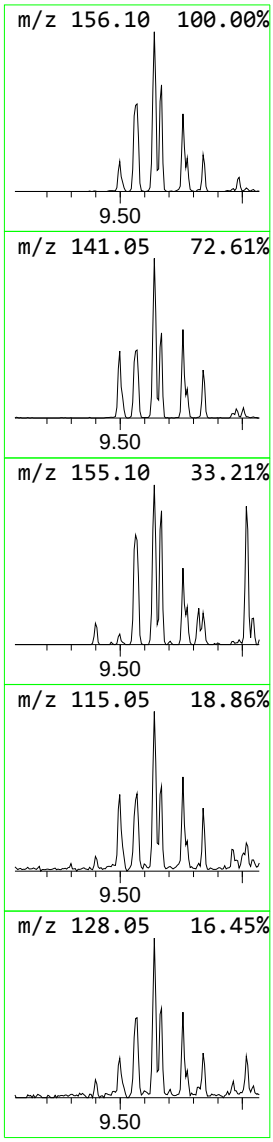
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.569	12.35 ng	323398	Acenaphthene-d10	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

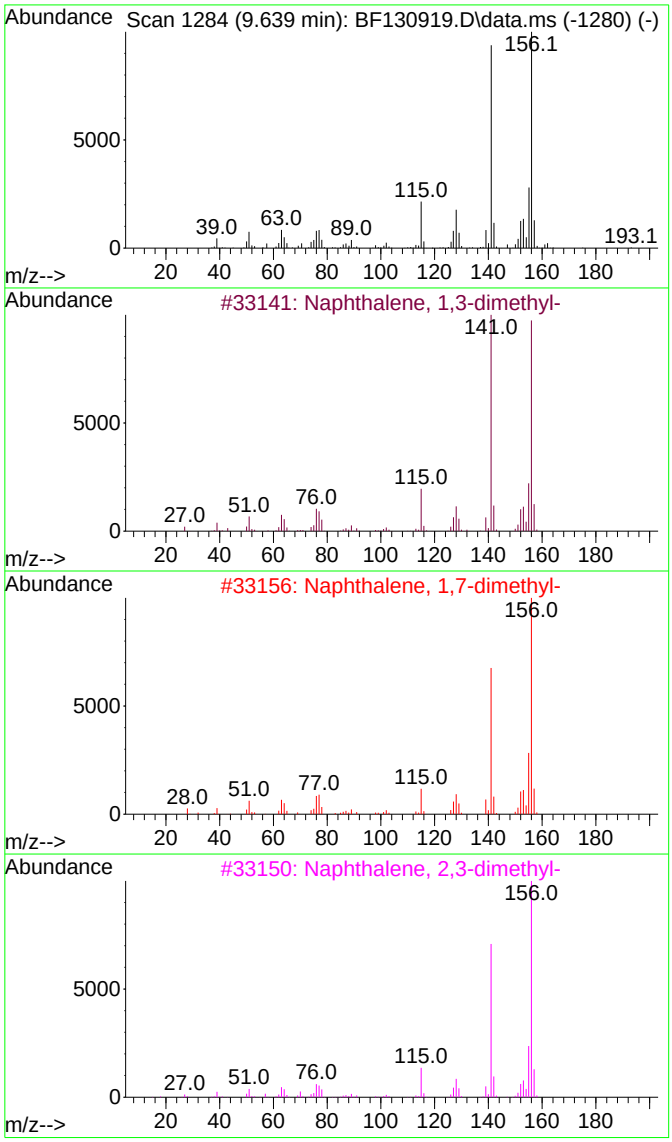
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

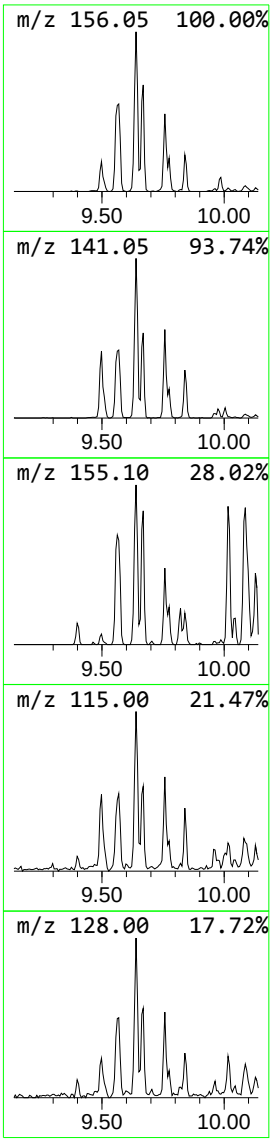
****

Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.639	14.71 ng	385069	Acenaphthene-d10	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

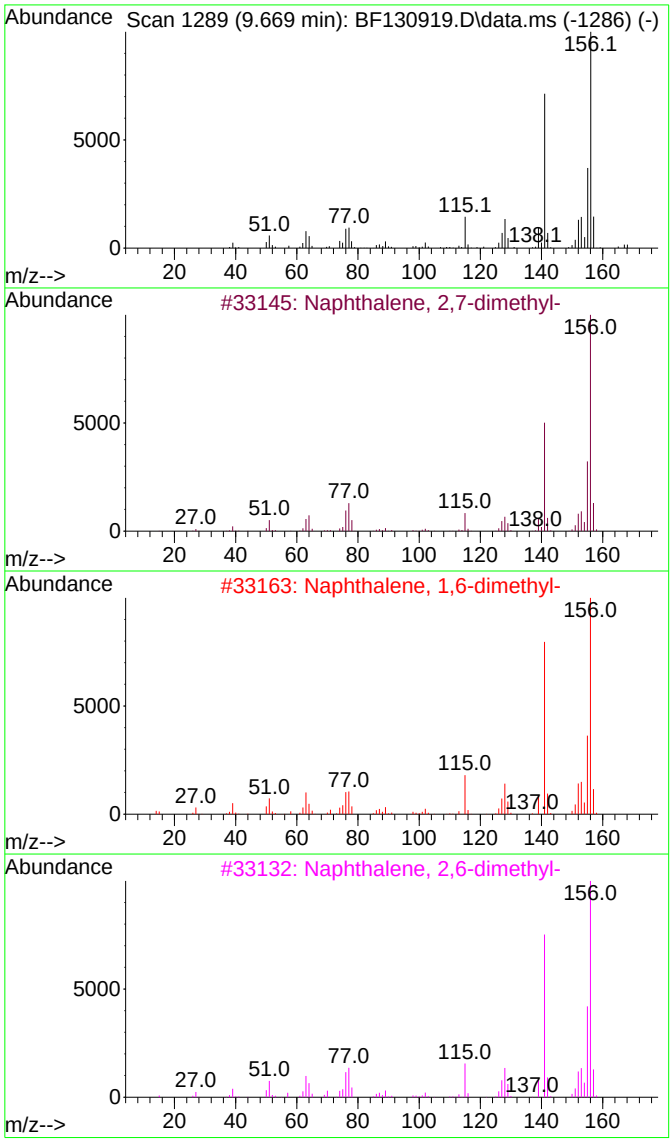
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

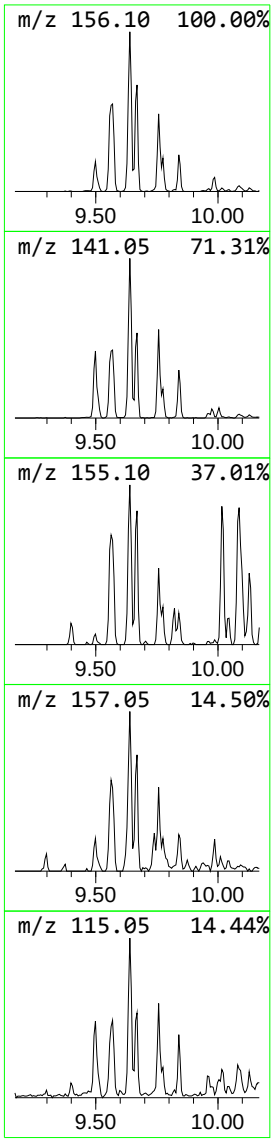
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.669	7.76 ng	203069	Acenaphthene-d10	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

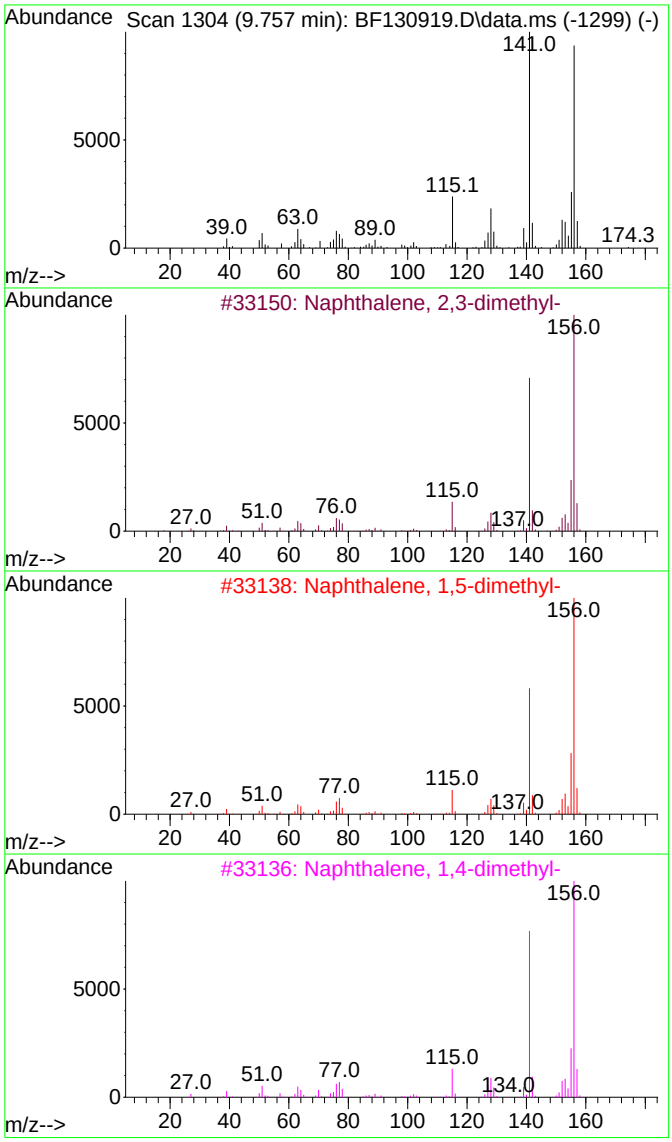
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

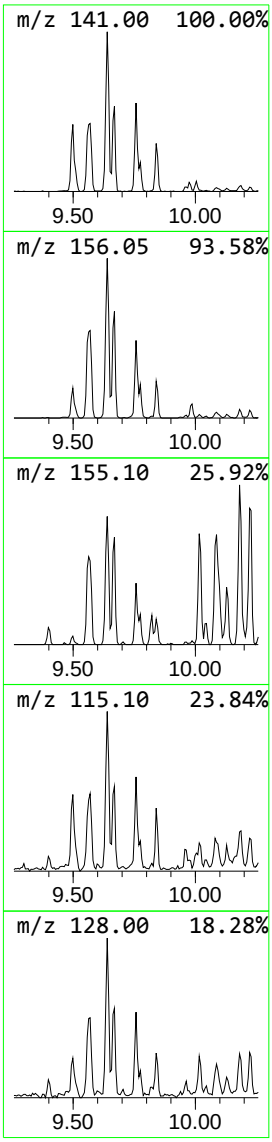
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.757	8.81 ng	230648	Acenaphthene-d10	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

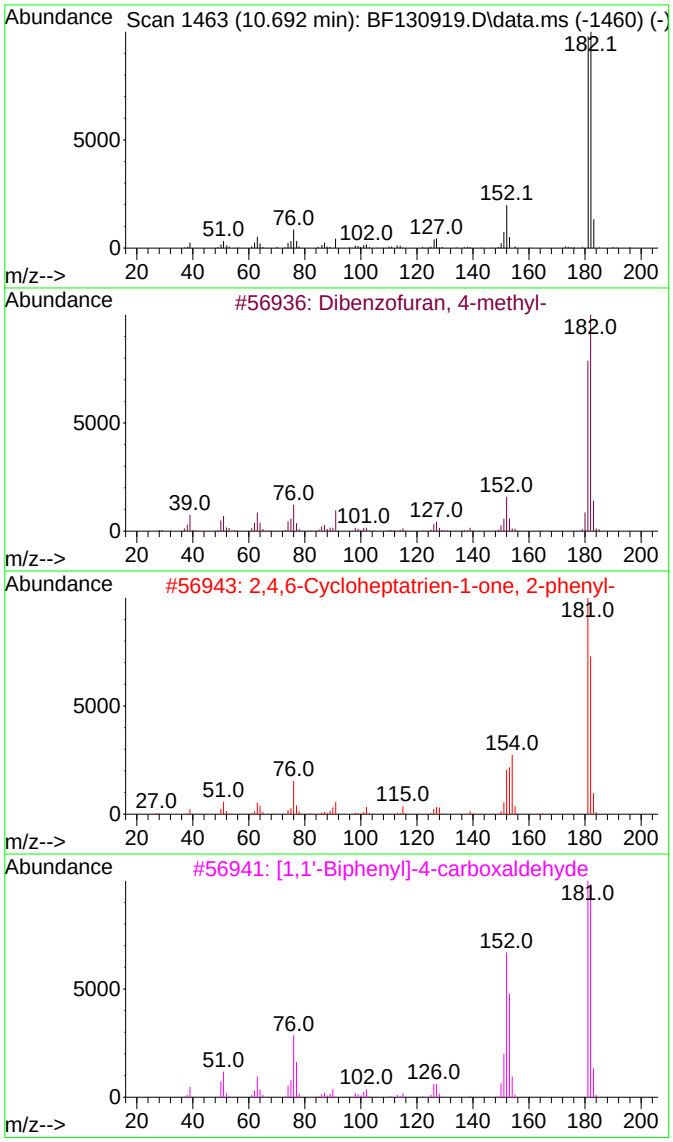
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

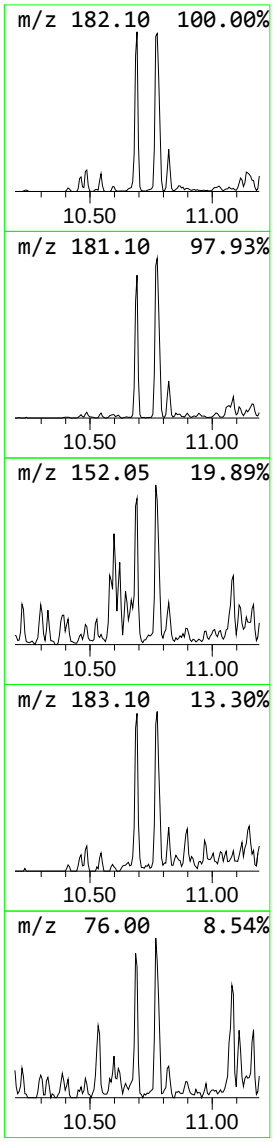
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.692	11.11 ng	290914	Acenaphthene-d10	9.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

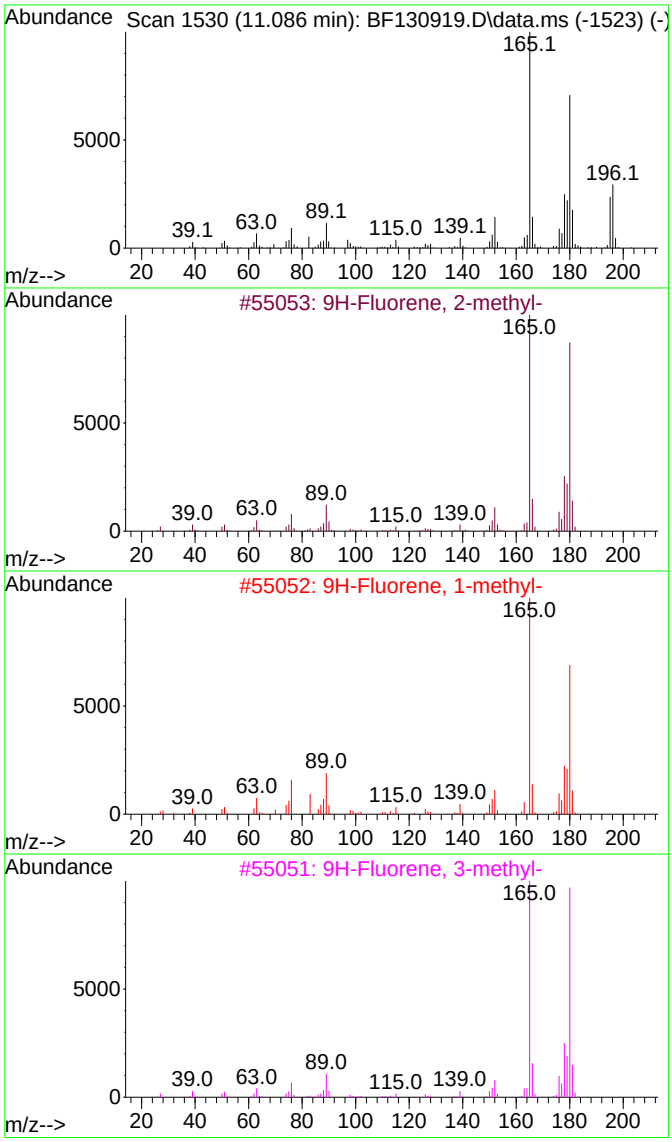
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

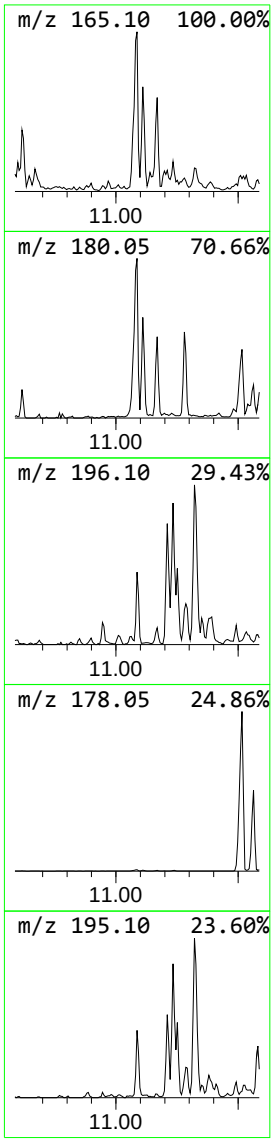
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.086	12.15 ng	361990	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83





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Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

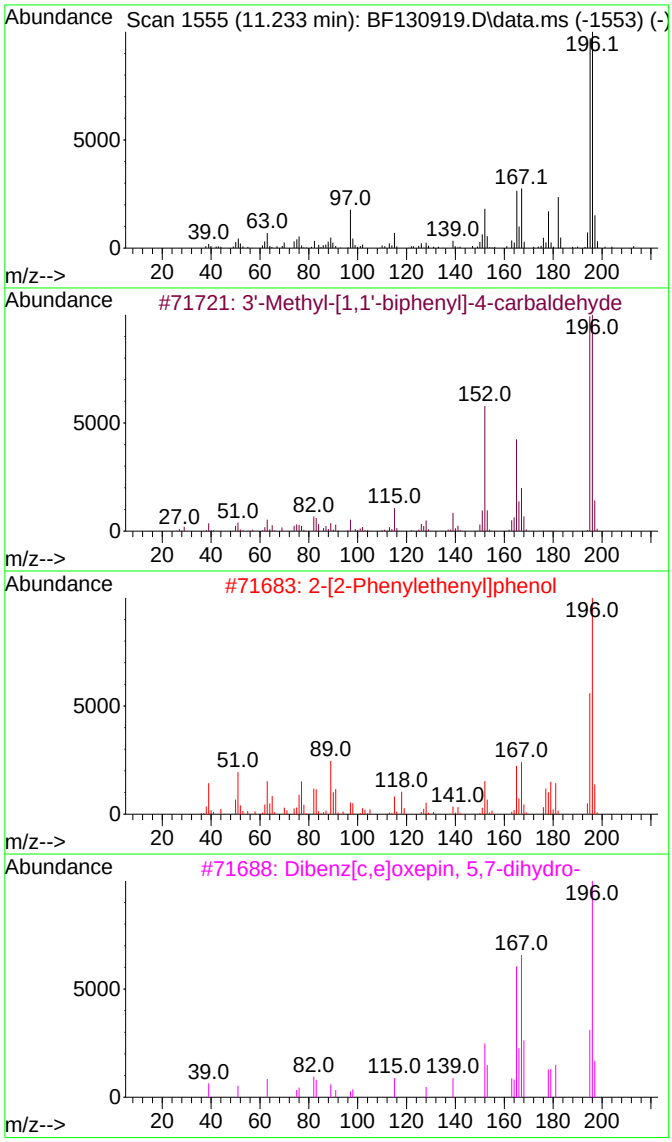
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

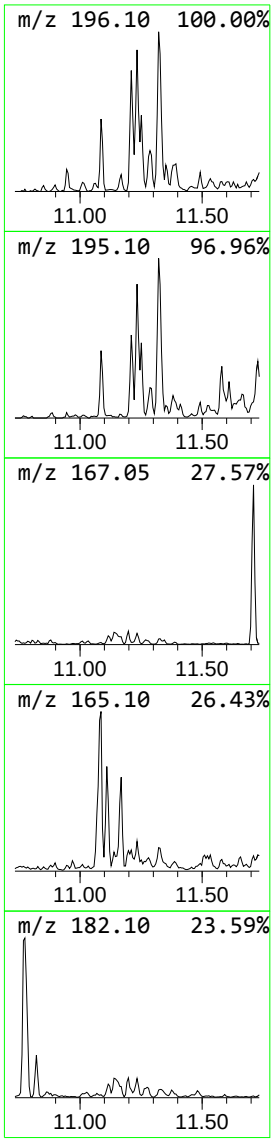
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	7.45 ng	221977	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	76
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	64
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	64
4	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58





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Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

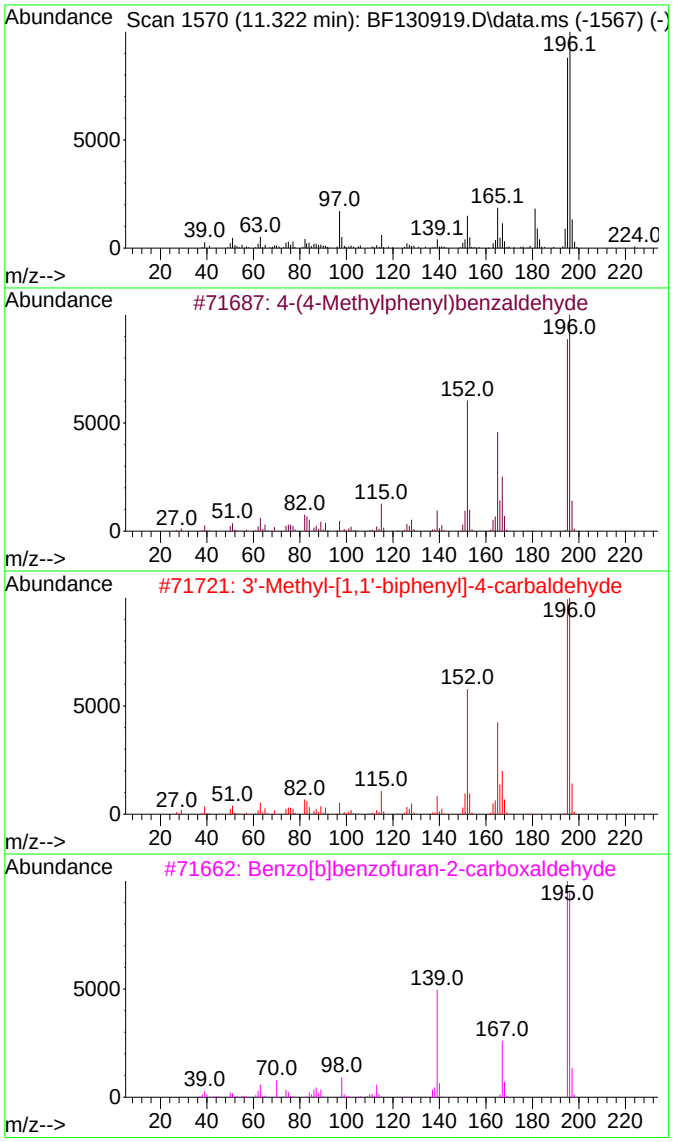
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

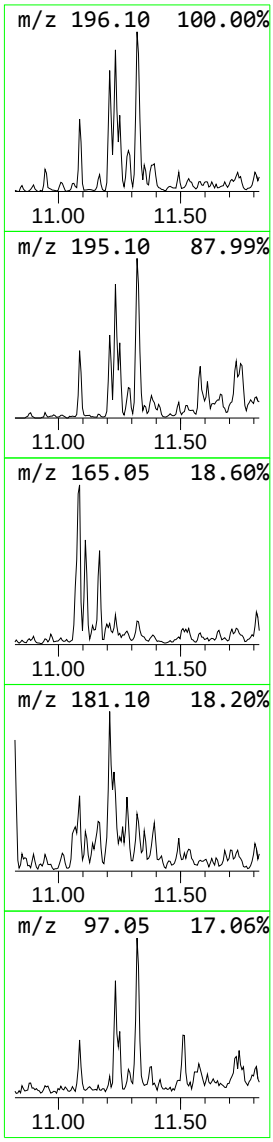
****

Peak Number 8 4-(4-Methylphenyl)benzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	7.15 ng	213066	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	93
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	87
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	53





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Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

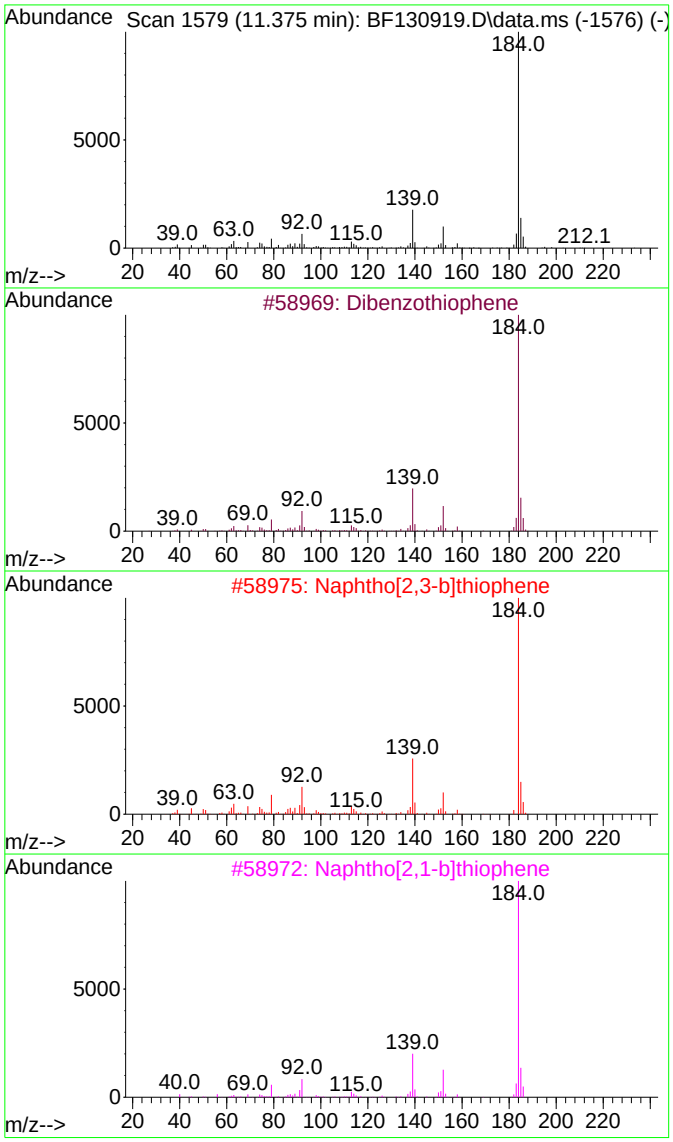
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

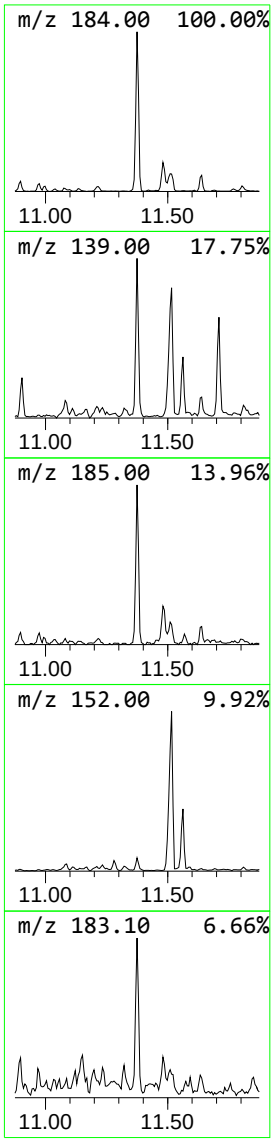
****

Peak Number 9 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.375	12.84 ng	382587	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

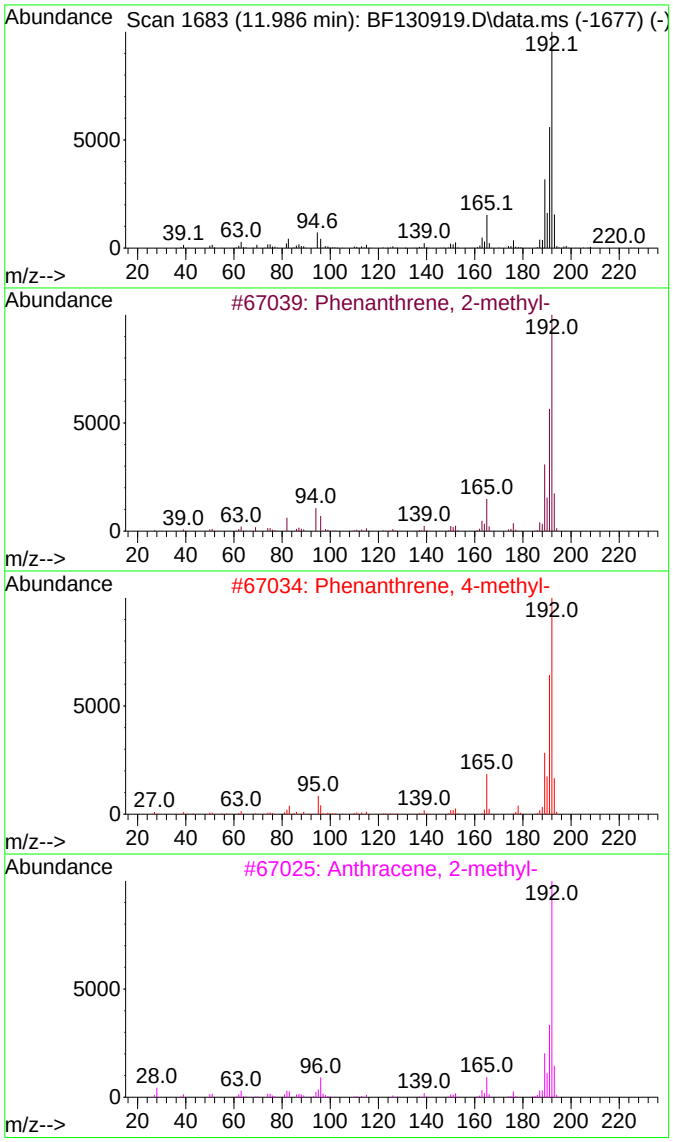
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

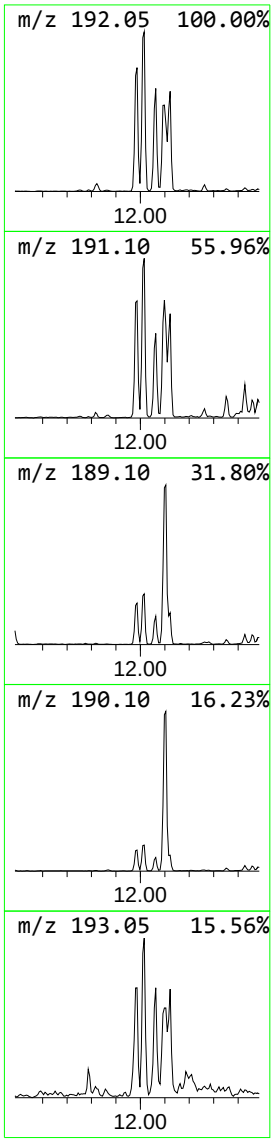
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	25.09 ng	747361	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSP-SS-03-01-03-D

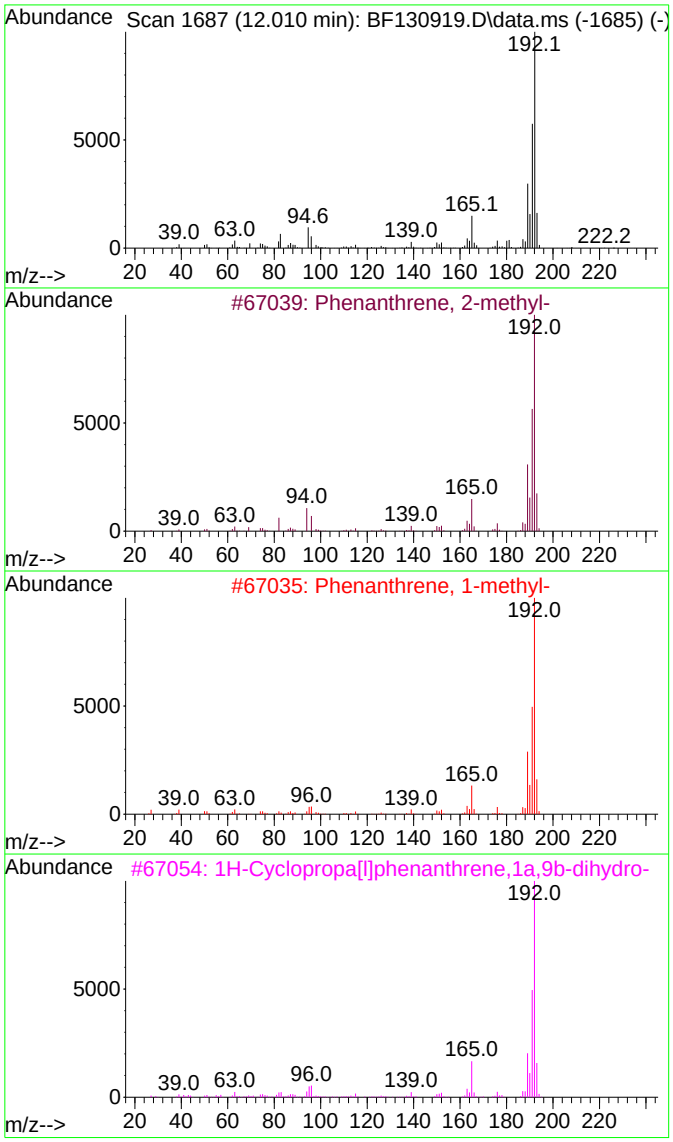
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

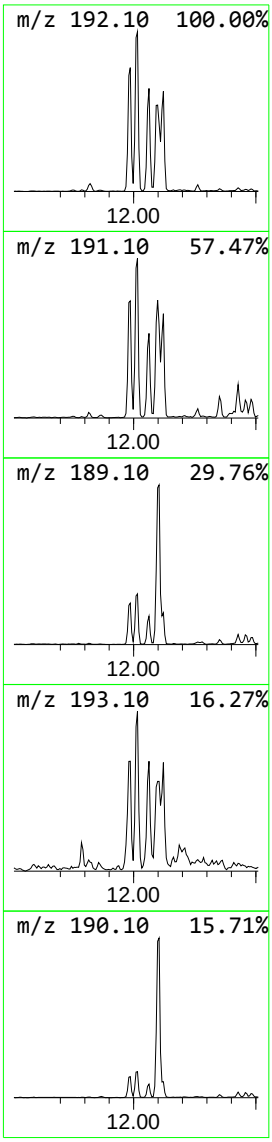
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	29.98 ng	893070	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

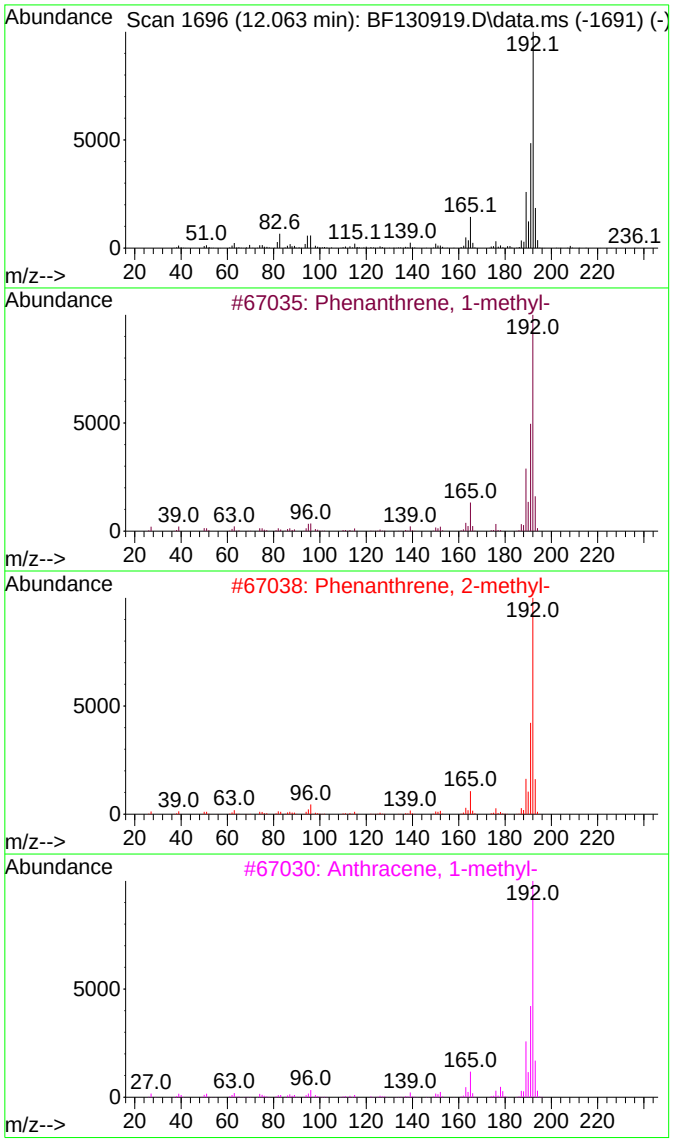
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

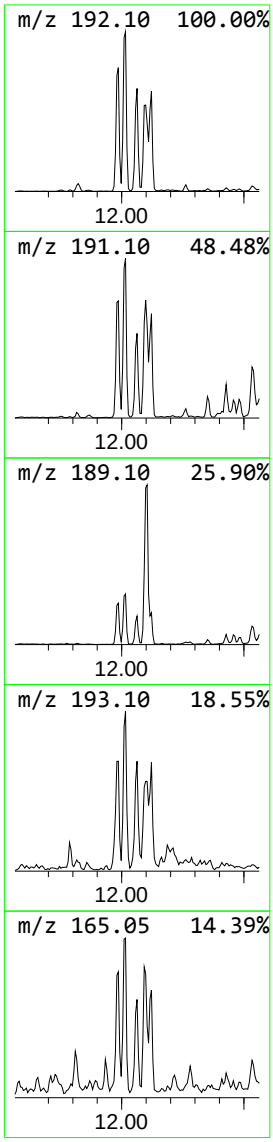
****

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	18.47 ng	550364	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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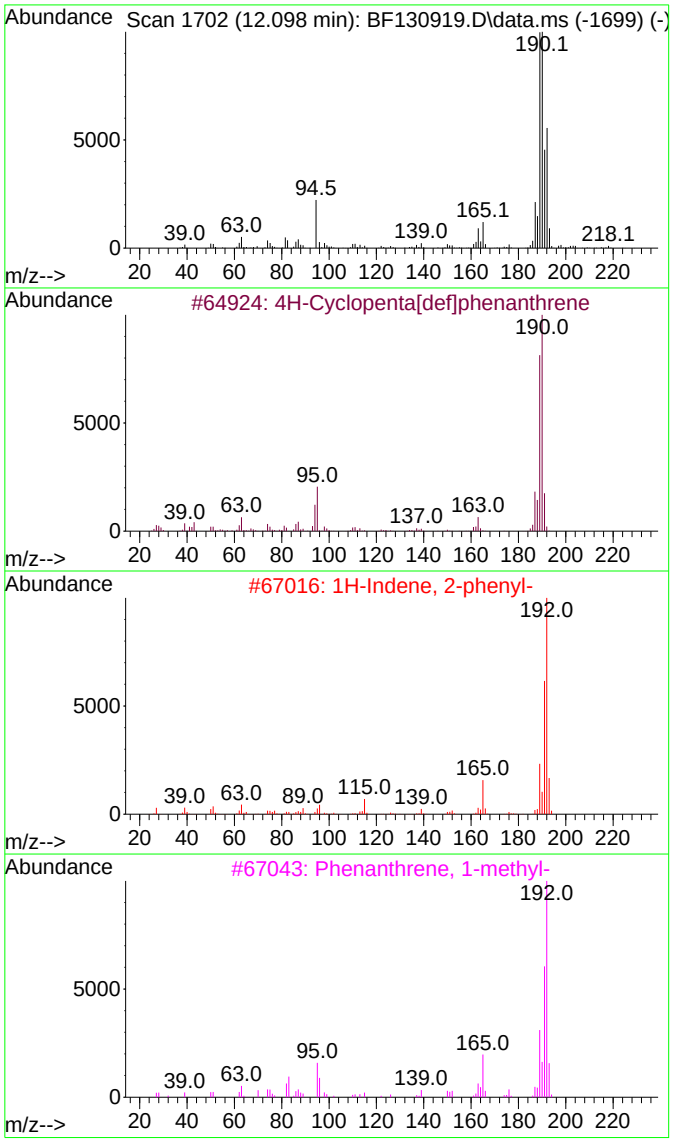
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

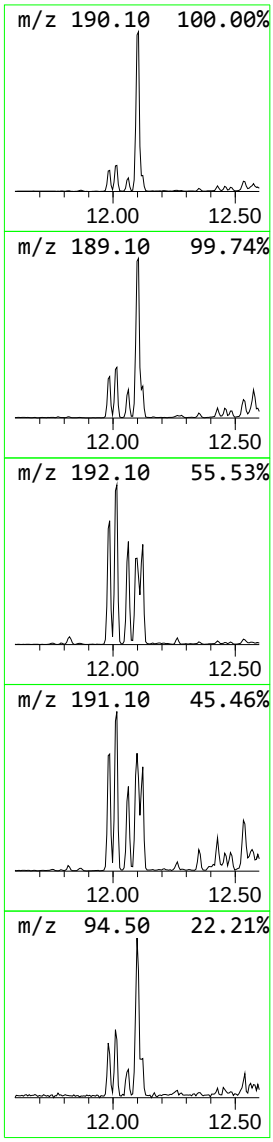
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	47.47 ng	1414130	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LSP-SS-03-01-03-D

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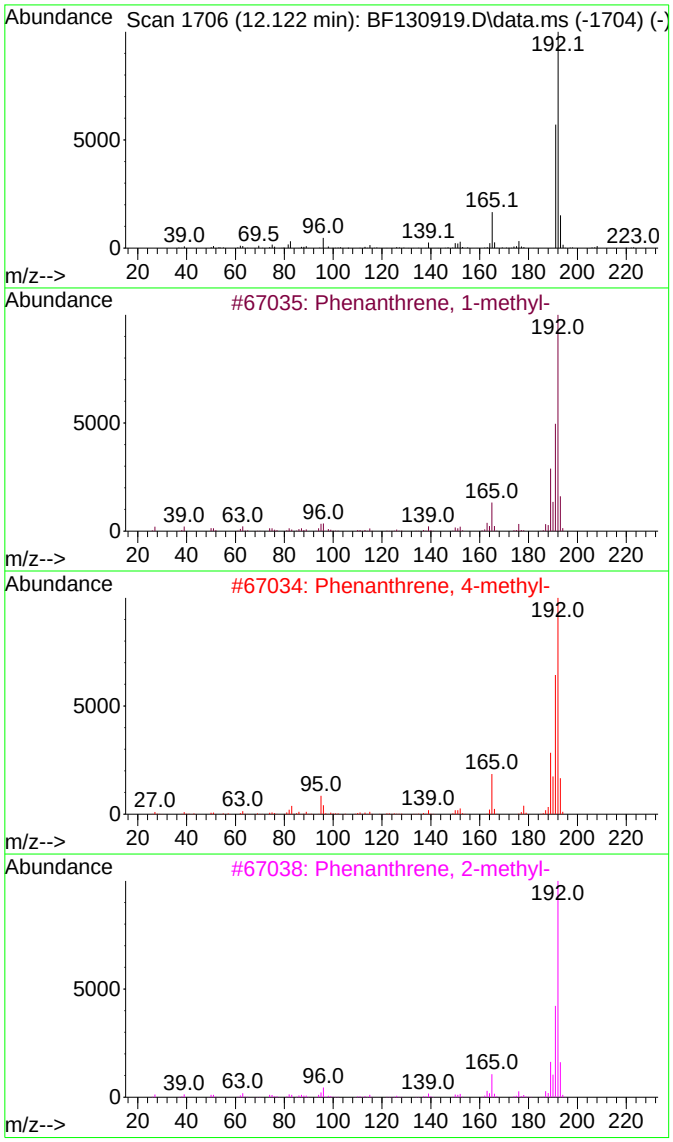
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

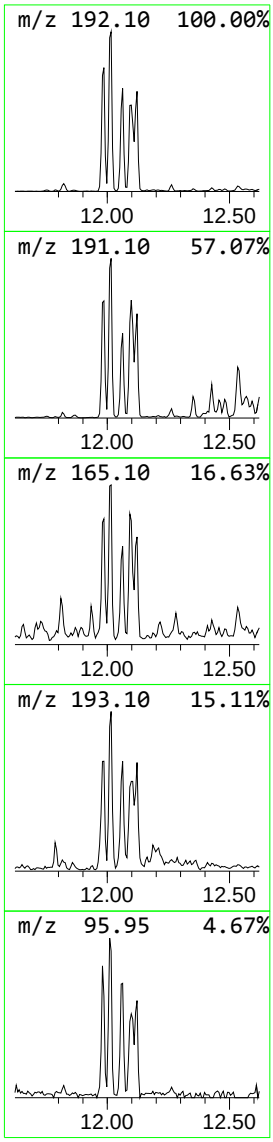
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.122	14.89 ng	443634	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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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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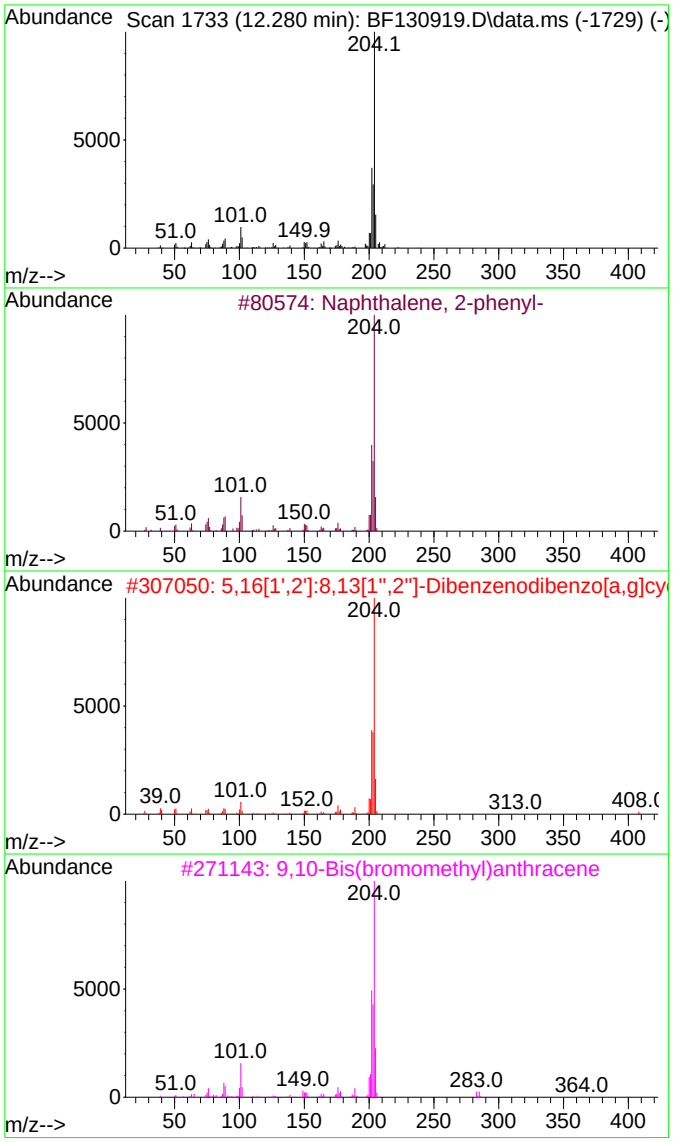
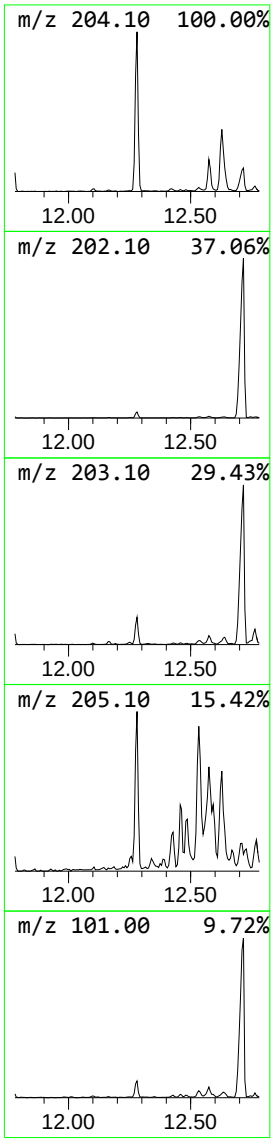
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.280	17.15 ng	511027	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52





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Misc :
ALS Vial : 19 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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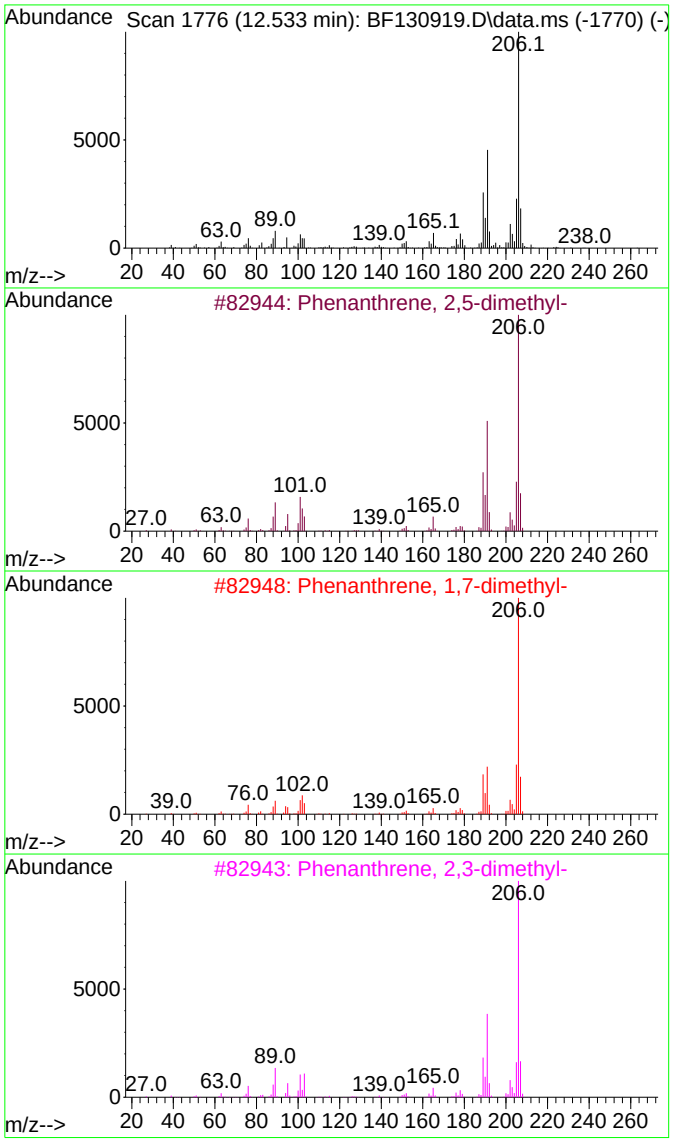
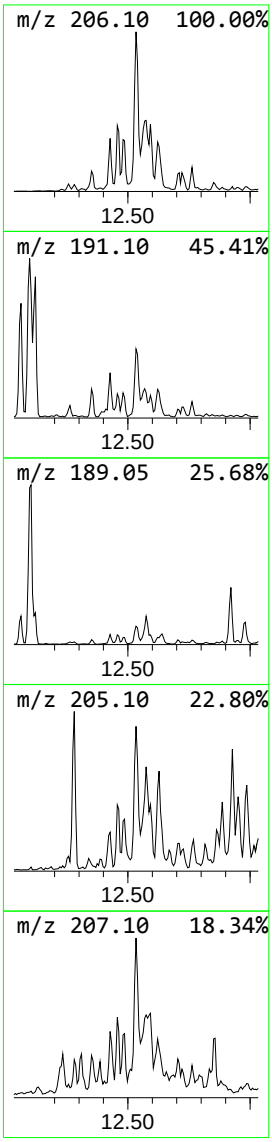
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	19.16 ng	570937	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

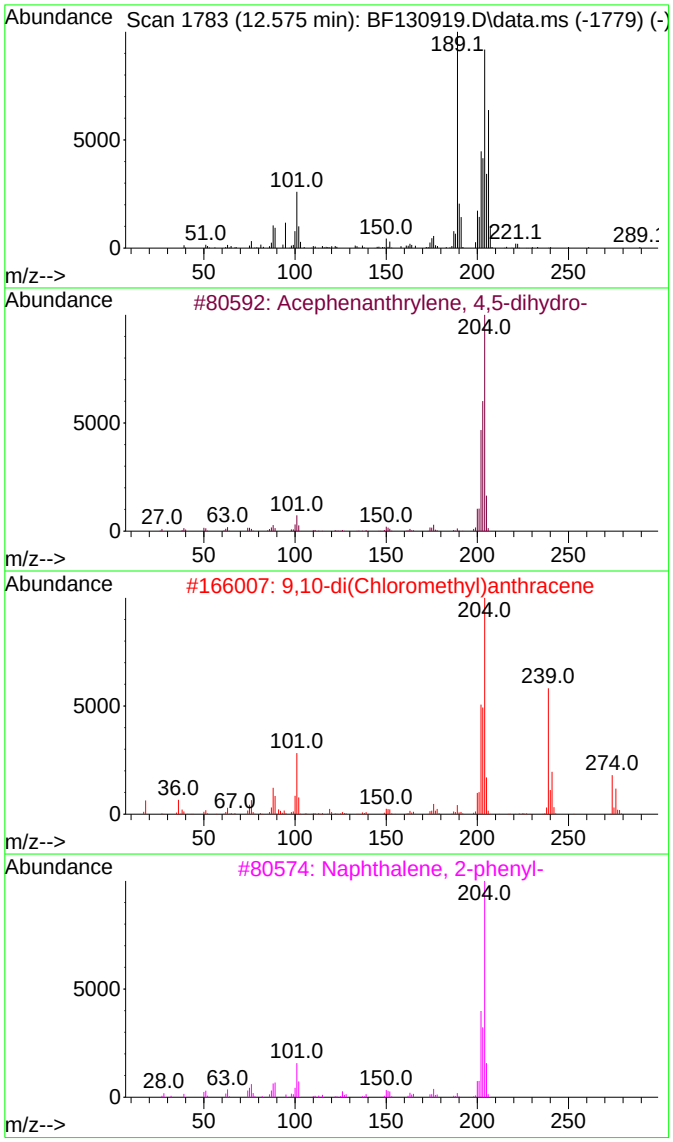
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

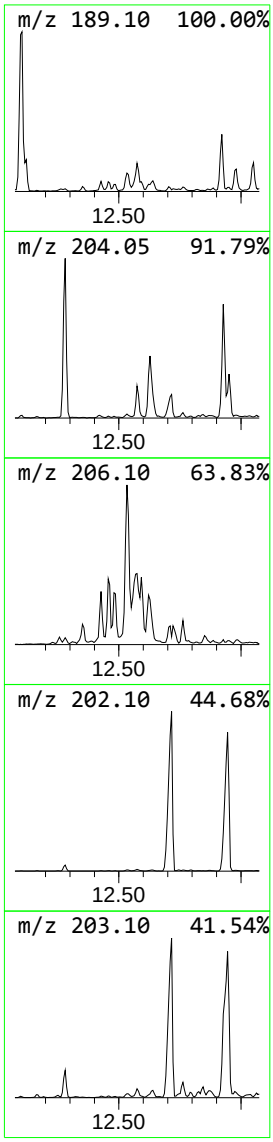
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	16.37 ng	487785	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	52
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
5	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

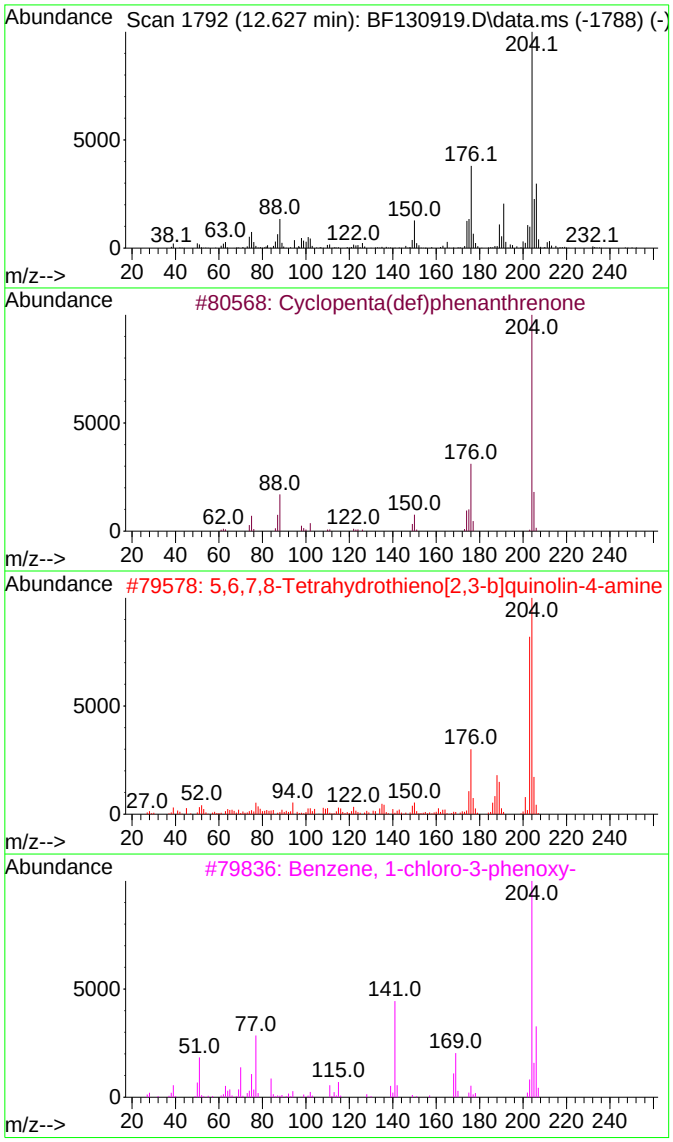
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

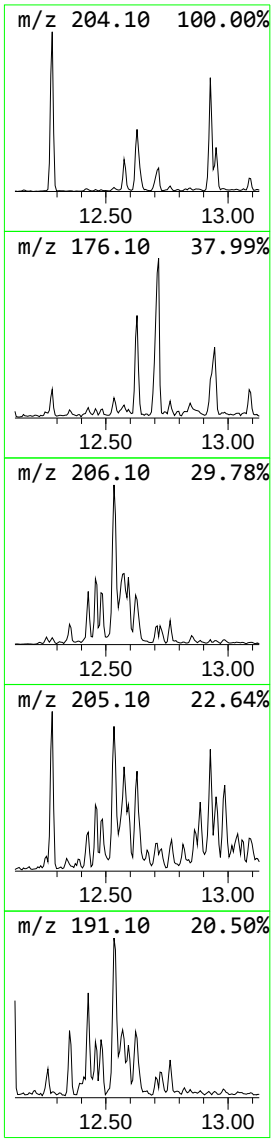
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.628	14.20 ng	423126	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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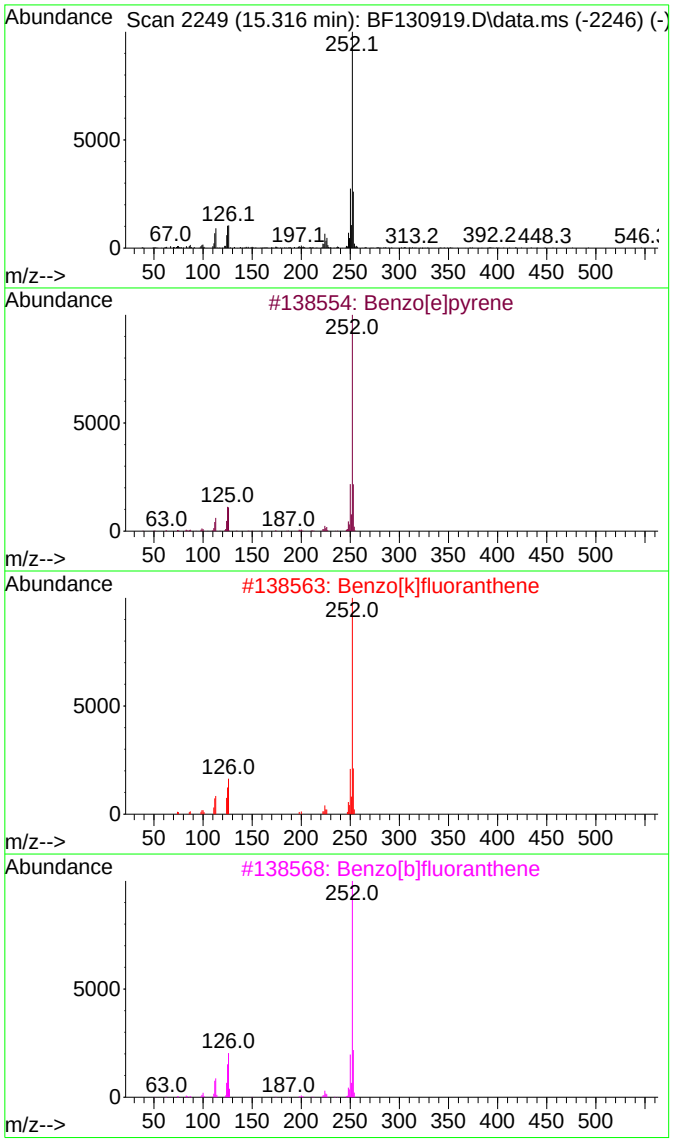
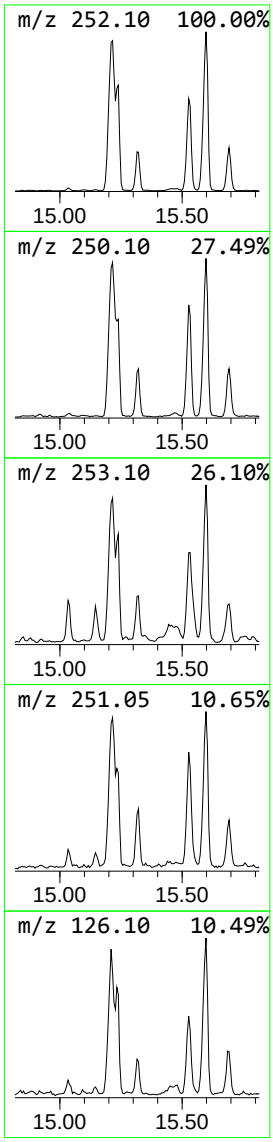
Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	16.45 ng	272012	Perylene-d12	15.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





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Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

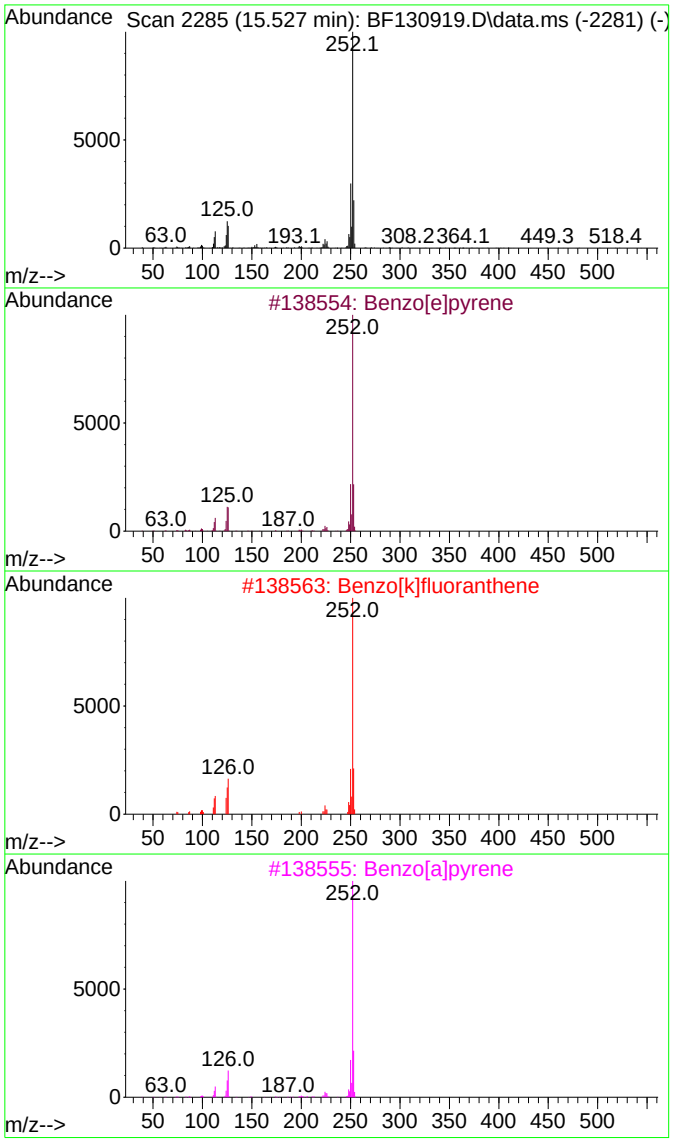
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

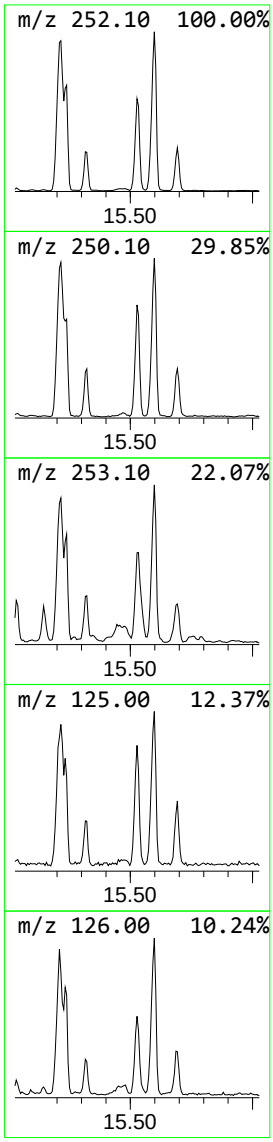
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.527	49.47 ng	817940	Perylene-d12	15.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130919.D
Acq On : 02 Nov 2022 01:21
Operator : CG\JU
Sample : N5234-03 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-01-03-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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, 1,...	9.569	12.4	ng	323398	3	9.986	523698	20.0
Naphthalene, 1,...	9.639	14.7	ng	385069	3	9.986	523698	20.0
Naphthalene, 2,...	9.669	7.8	ng	203069	3	9.986	523698	20.0
Naphthalene, 2,...	9.757	8.8	ng	230648	3	9.986	523698	20.0
Dibenzofuran, 4...	10.692	11.1	ng	290914	3	9.986	523698	20.0
9H-Fluorene, 2-...	11.086	12.2	ng	361990	4	11.480	595850	20.0
3'-Methyl-[1,1'...	11.233	7.5	ng	221977	4	11.480	595850	20.0
4-(4-Methylphen...	11.322	7.2	ng	213066	4	11.480	595850	20.0
Dibenzothiophene	11.375	12.8	ng	382587	4	11.480	595850	20.0
Phenanthrene, 2...	11.986	25.1	ng	747361	4	11.480	595850	20.0
Phenanthrene, 1...	12.010	30.0	ng	893070	4	11.480	595850	20.0
Anthracene, 1-m...	12.063	18.5	ng	550364	4	11.480	595850	20.0
4H-Cyclopenta[d...	12.098	47.5	ng	1414130	4	11.480	595850	20.0
Phenanthrene, 4...	12.122	14.9	ng	443634	4	11.480	595850	20.0
Naphthalene, 2-...	12.280	17.1	ng	511027	4	11.480	595850	20.0
Phenanthrene, 2...	12.533	19.2	ng	570937	4	11.480	595850	20.0
Acephenanthryle...	12.575	16.4	ng	487785	4	11.480	595850	20.0
Cyclopenta(def)...	12.628	14.2	ng	423126	4	11.480	595850	20.0
Benzo[e]pyrene	15.316	16.4	ng	272012	6	15.657	330711	20.0
Perylene	15.527	49.5	ng	817940	6	15.657	330711	20.0