LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-081522

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129831.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.040	465	468	480	rBV	101116	129610	2.07%	0.210%
2	5.458	536	539	553	rBV	2118239	2344391	37.52%	3.794%
3	6.475	709	712	725	rBV	2396000	2237399	35.81%	3.621%
4	6.822	767	771	779	rBV	819235	659561	10.55%	1.067%
5	7.387	863	867	870	rBV	1644006	1364183	21.83%	2.208%
6	8.104	985	989	992	rBV	929819	751302	12.02%	1.216%
7	9.175	1167	1171	1175	rBV	2781245	2267819	36.29%	3.670%
8	9.857	1284	1287	1291	rBV	878818	680942	10.90%	1.102%
9	10.651	1418	1422	1430	rBV	1406183	1236965	19.80%	2.002%
10	10.745	1436	1438	1443	rBV2	63518	102666	1.64%	0.166%
11	11.157	1505	1508	1511	rBV	80333	72238	1.16%	0.117%
12	11.198	1511	1515	1518	rVV3	105359	125871	2.01%	0.204%
13	11.245	1521	1523	1527	rVB	124374	97680	1.56%	0.158%
14	11.351	1537	1541	1543	rBV	805415	769604	12.32%	1.246%
15	11.375	1543	1545	1548	rVV	2370924	1793953	28.71%	2.903%
16	11.428	1548	1554	1556	rVV	229520	258236	4.13%	0.418%
17	11.463	1557	1560	1565	rVB	93542	92285	1.48%	0.149%
18	11.587	1575	1581	1585	rBV	529815	538002	8.61%	0.871%
19	11.622	1585	1587	1589	rVV	97803	70636	1.13%	0.114%
20	11.728	1602	1605	1608	rBV	401331	313191	5.01%	0.507%
21	11.851	1623	1626	1628	rBV	284600	245208	3.92%	0.397%
22	11.881	1628	1631	1634	rVV	488885	470364	7.53%	0.761%
23	11.963	1642	1645	1648	rVV2	506522	540991	8.66%	0.876%
24	11.987	1648	1649	1654	rVB	206554	127296	2.04%	0.206%
25	12.034	1654	1657	1660	rBV2	153038	153323	2.45%	0.248%
26	12.145	1673	1676	1679	rBV	295320	231238	3.70%	0.374%
27	12.181	1679	1682	1686	rVB	750924	694791	11.12%	1.124%
28	12.292	1696	1701	1705	rBV3	86474	142883	2.29%	0.231%
29	12.328	1705	1707	1709	rVB2	97210	71390	1.14%	0.116%
30	12.416	1716	1722	1723	rBV2	606780	630158	10.08%	1.020%
31	12.439	1723	1726	1729	rVV2	1103436	1145070	18.32%	1.853%
32	12.498	1732	1736	1738	rBV2	296036	320885	5.14%	0.519%
33	12.522	1738	1740	1744	rVB	287696	233363	3.73%	0.378%
34	12.581	1744	1750	1753	rBV	6085580	6248839	100.00%	10.114%
35	12.634	1757	1759	1761	rVV	137862	101462	1.62%	0.164%
36	12.722	1769	1774	1776	rBV3	281469	332587	5.32%	0.538%

LSC Area Percent Report

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Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.810	1781	1789	1792	rBV	5232394	6247552	99.98%	10.111%
38	12.845	1792	1795	1799	rVB2	249092	259186	4.15%	0.419%
39	12.934	1804	1810	1813	rBV2	2525038	2612805	41.81%	4.229%
40	12.963	1813	1815	1819	rVB	202164	179180	2.87%	0.290%
41	13.016	1819	1824	1828	rBV2	296683	557691	8.92%	0.903%
42	13.057	1828	1831	1835	rVB	148242	134092	2.15%	0.217%
43	13.110	1835	1840	1841	rBV3	294127	395961	6.34%	0.641%
44	13.128	1841	1843	1846	rVB	692971	562474	9.00%	0.910%
45	13.192	1851	1854	1857	rBV	523443	425925	6.82%	0.689%
46	13.234	1857	1861	1863	rBV2	406707	517753	8.29%	0.838%
47	13.286	1868	1870	1873	rVB2	121283	108075	1.73%	0.175%
48	13.328	1874	1877	1879	rVV	194663	170173	2.72%	0.275%
49	13.357	1879	1882	1890	rVB3	230851	320948	5.14%	0.519%
50	13.492	1903	1905	1908	rBV4	78561	89820	1.44%	0.145%
51	13.551	1913	1915	1918	rVB	199114	180416	2.89%	0.292%
52	13.610	1923	1925	1928	rBV3	103370	119353	1.91%	0.193%
53	13.645	1928	1931	1934	rBV	622943	532769	8.53%	0.862%
54	13.751	1946	1949	1951	rBV	823711	676647	10.83%	1.095%
55	13.775	1951	1953	1956	rVB	444570	322570	5.16%	0.522%
56	13.804	1956	1958	1959	rBV	378551	307534	4.92%	0.498%
57	13.857	1964	1967	1973	rVB	715255	716872	11.47%	1.160%
58	13.922	1975	1978	1983	rVB	204074	220551	3.53%	0.357%
59	13.998	1984	1991	1995	rBV3	2657615	4140763	66.26%	6.702%
60	14.033	1995	1997	2004	rVB	2929087	2678547	42.86%	4.335%
61	14.110	2008	2010	2013	rBV	471746	368384	5.90%	0.596%
62	14.157	2016	2018	2023	rVB3	162577	195010	3.12%	0.316%
63	14.233	2030	2031	2034	rVB	283957	201191	3.22%	0.326%
64	14.351	2049	2051	2053	rBV	223199	200415	3.21%	0.324%
65	14.392	2055	2058	2060	rVB	340561	303042	4.85%	0.490%
66	14.422	2061	2063	2064	rVV2	161644	126970	2.03%	0.205%
67	14.439	2064	2066	2069	rVB2	236223	202725	3.24%	0.328%
68	14.516	2077	2079	2081	rBV	183168	171849	2.75%	0.278%
69	14.710	2110	2112	2115	rBV2	179445	157201	2.52%	0.254%
70	14.886	2139	2142	2146	rBV2	252365	298462	4.78%	0.483%
71	15.057	2165	2171	2173	rBV	1788259	2881966	46.12%	4.664%
72	15.157	2185	2188	2192	rBV	313986	328469	5.26%	0.532%
73	15.357	2218	2222	2227	rVB	1067086	1252823	20.05%	2.028%
74	15.422	2228	2233	2236	rVV	1314204	1664399	26.64%	2.694%
75	15.475	2240	2242	2245	rVV	361272	434013	6.95%	0.702%
76	15.510	2245	2248	2254	rVB	412178	546822	8.75%	0.885%

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
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Sampling : 1 Min Area: 3 % of largest Peak
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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	16.969	2489	2496	2502	rVB	641265	1237207	19.80%	2.002%
78	17.416	2566	2572	2586	rVB	486116	1141709	18.27%	1.848%

Sum of corrected areas: 61786696

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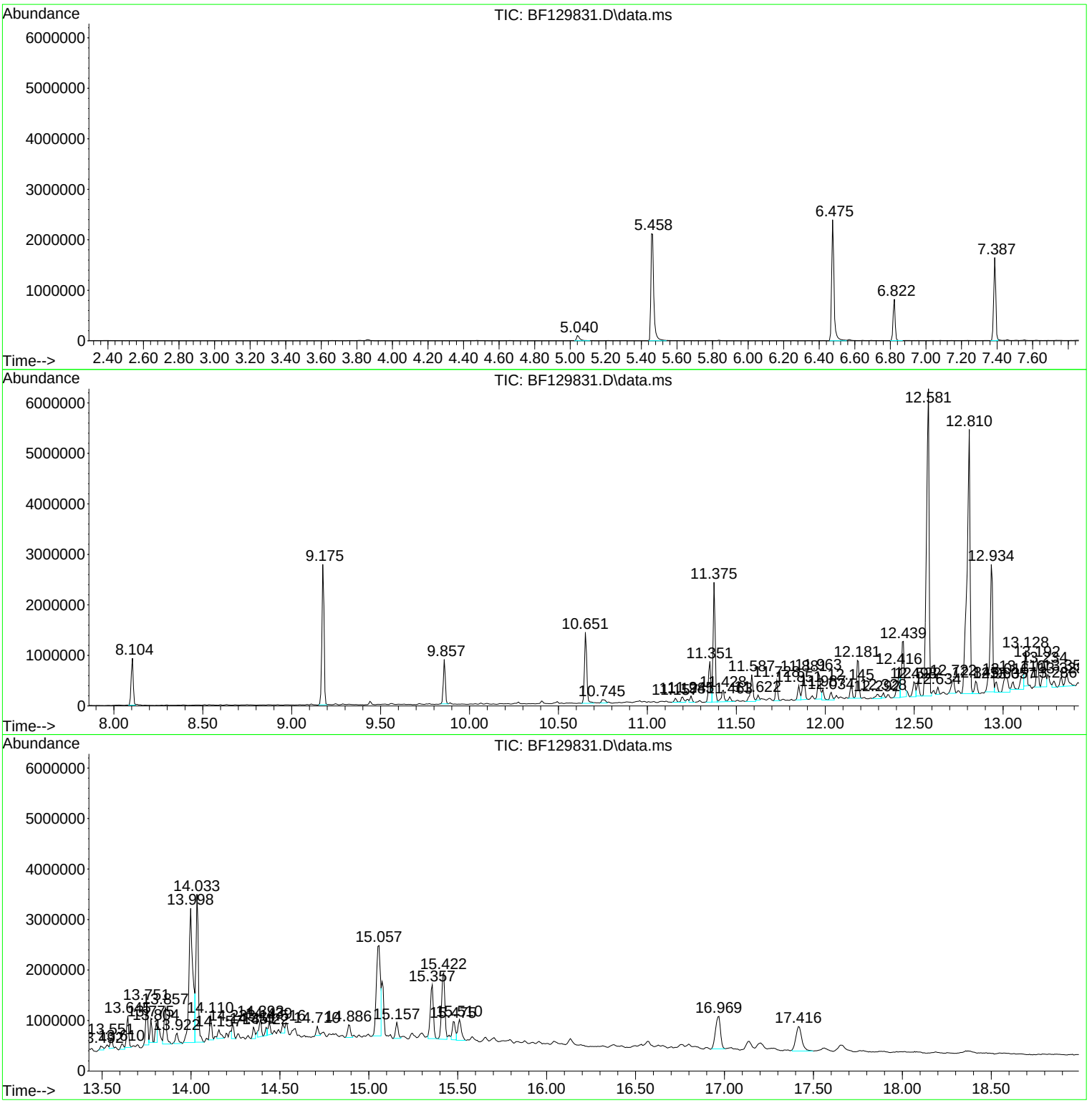
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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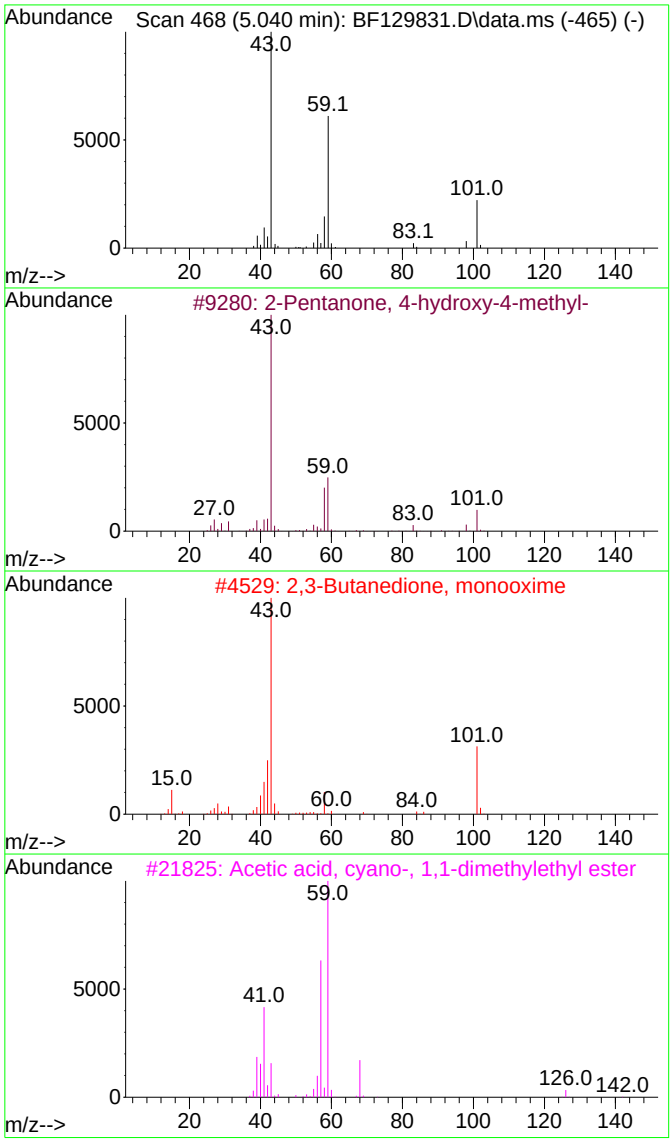
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

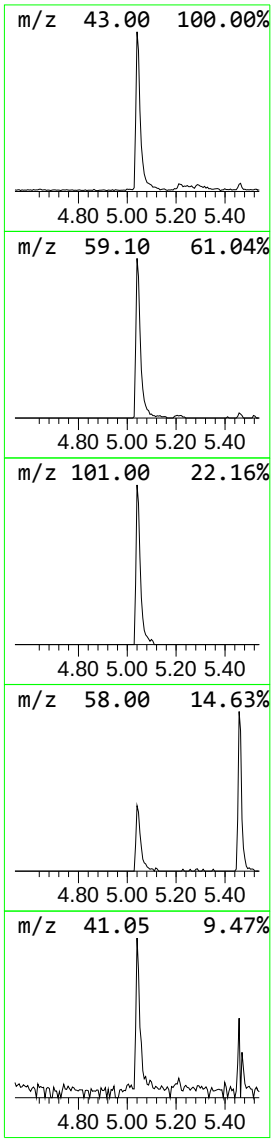
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.040	3.93 ng	129610	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

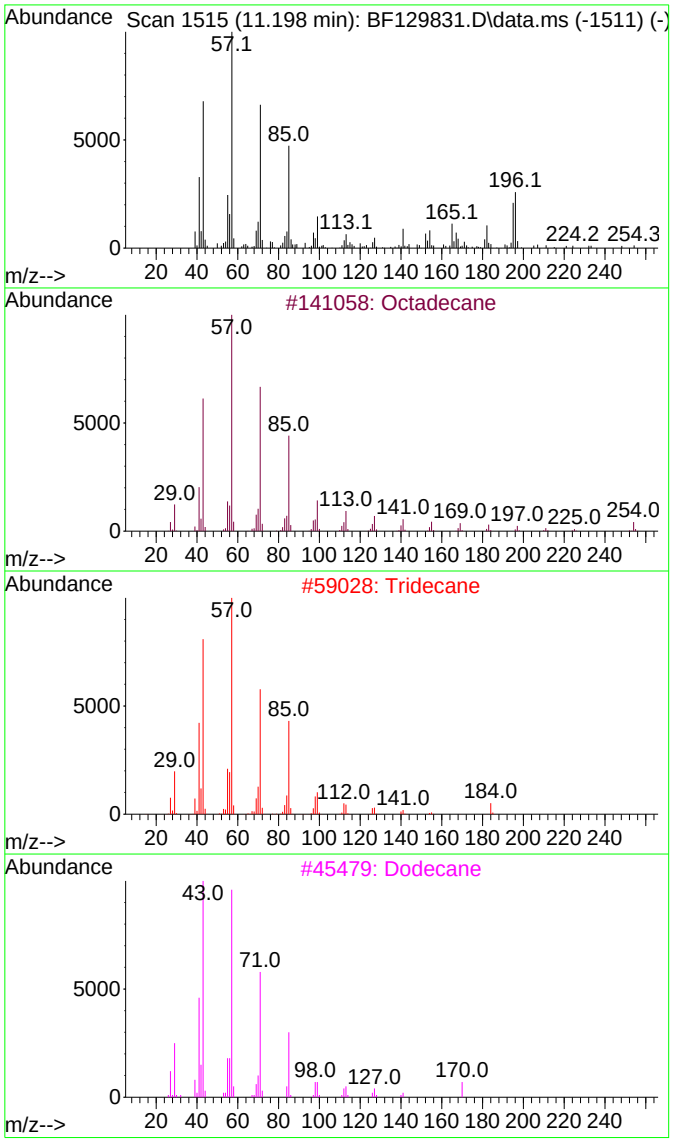
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

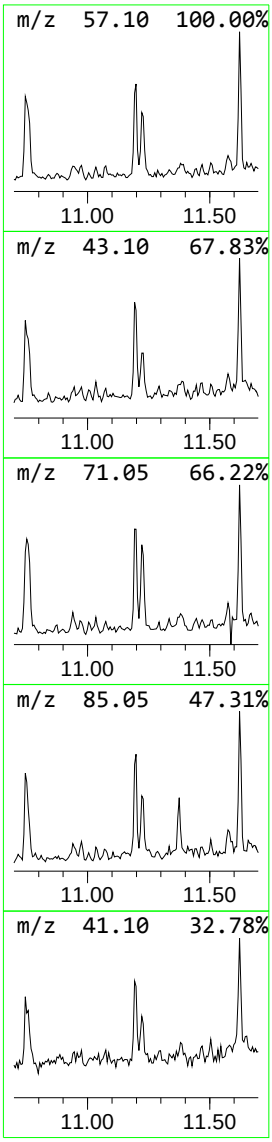
****

Peak Number 2 Octadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.198	3.27 ng	125871	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	83
2	Tridecane	184	C13H28	000629-50-5	60
3	Dodecane	170	C12H26	000112-40-3	60
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	60
5	Tetracosane	338	C24H50	000646-31-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

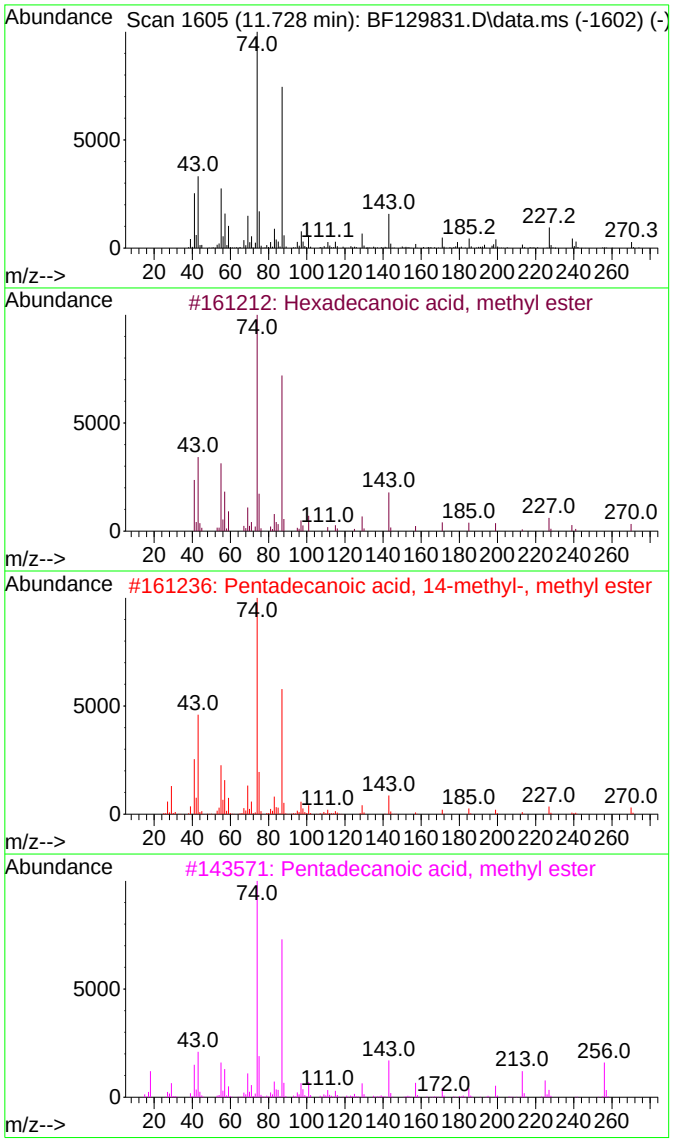
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

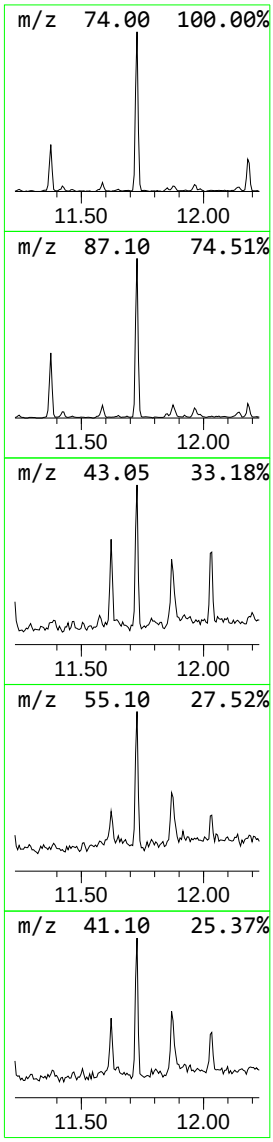
****

Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.728	8.14 ng	313191	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	83
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
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BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

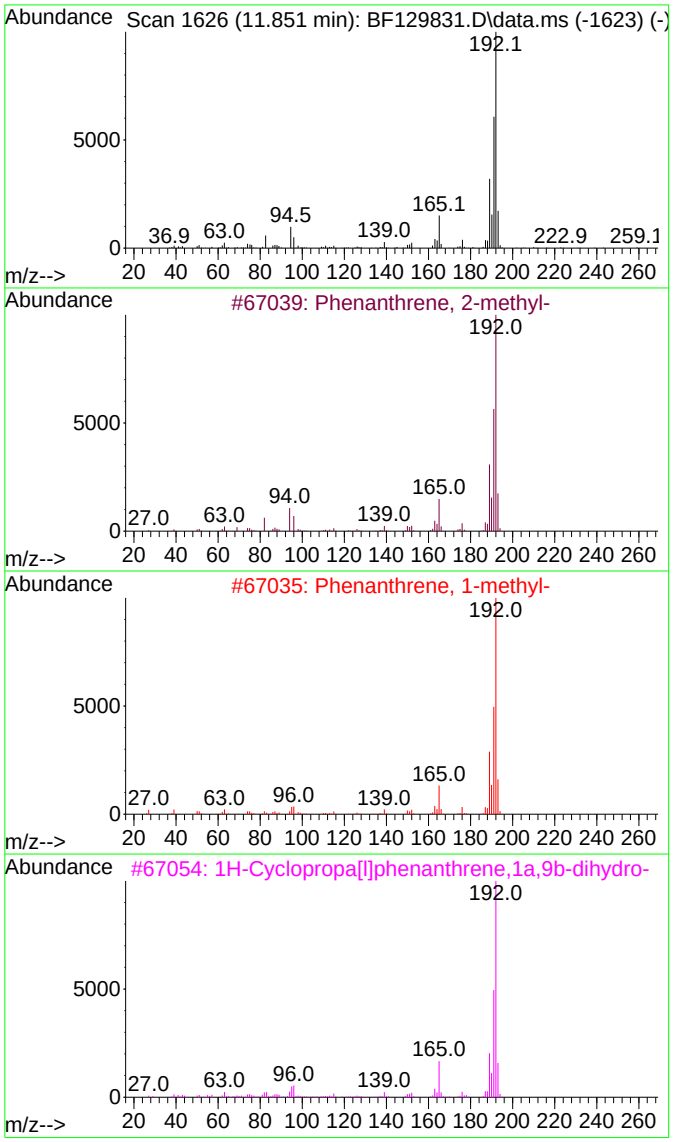
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

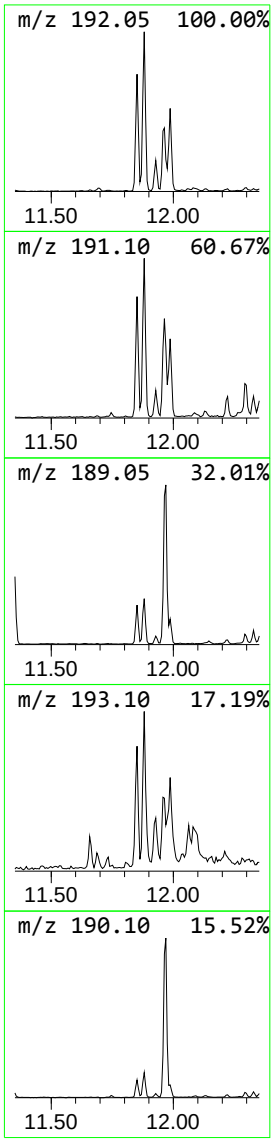
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	6.37 ng	245208	Phenanthrene-d10	11.351

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

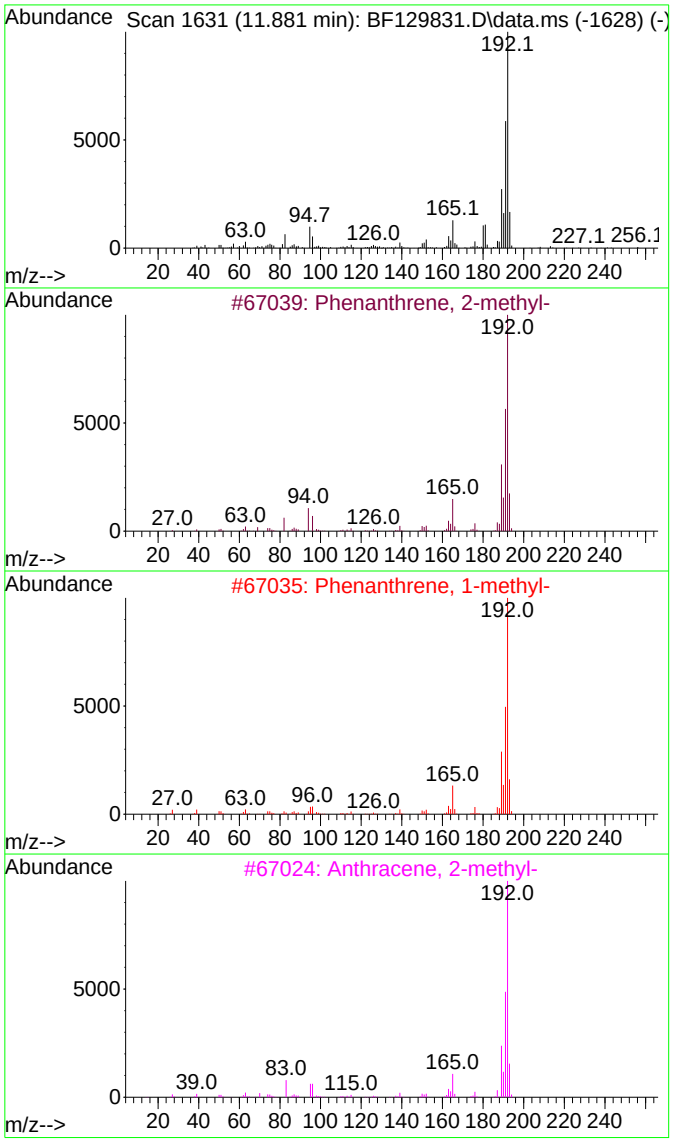
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

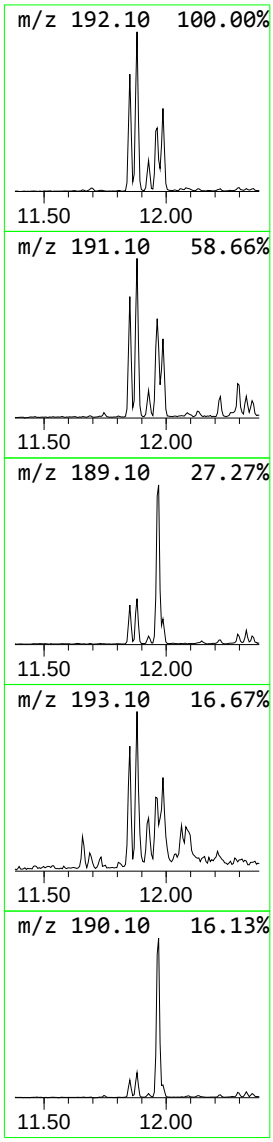
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.881	12.22 ng	470364	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

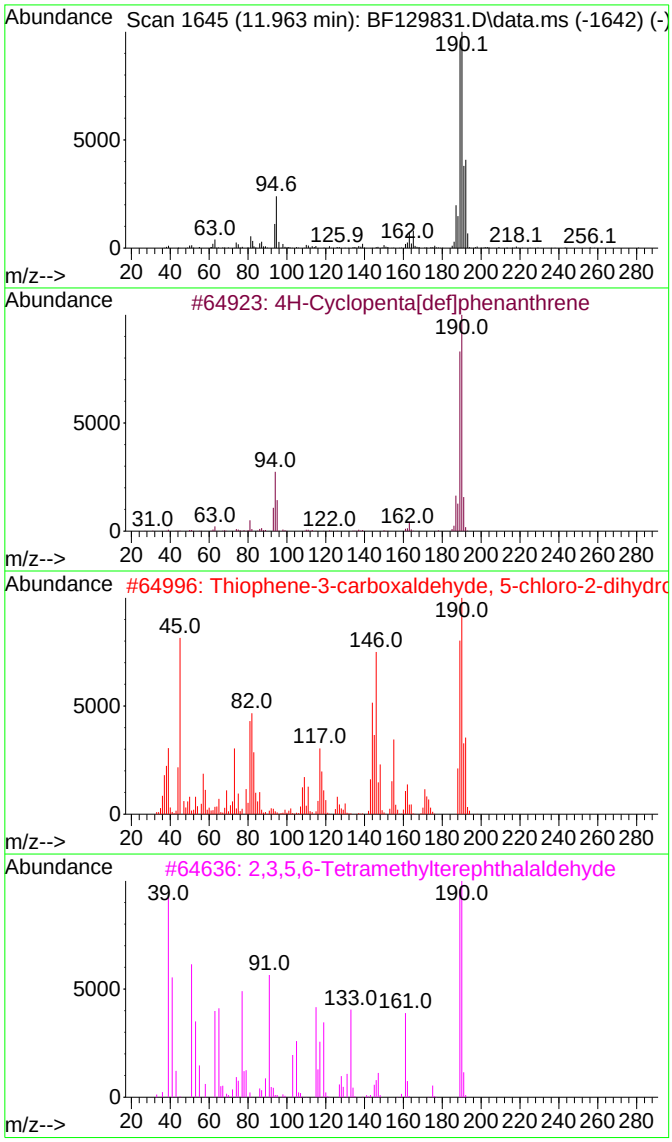
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

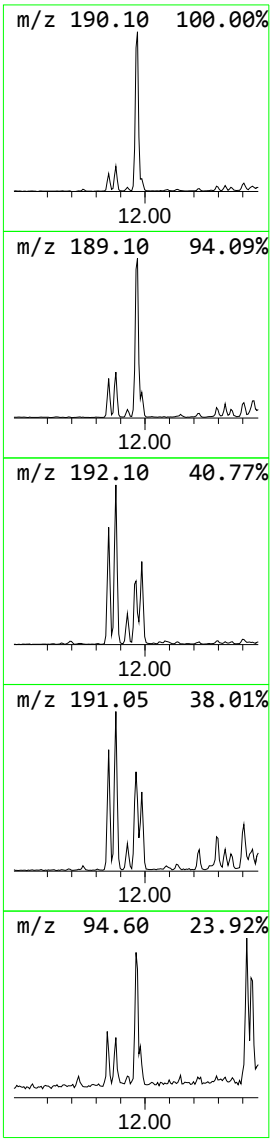
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	14.06 ng	540991	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32





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Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
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Instrument :
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ClientSampleId :
NB-08-081522

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

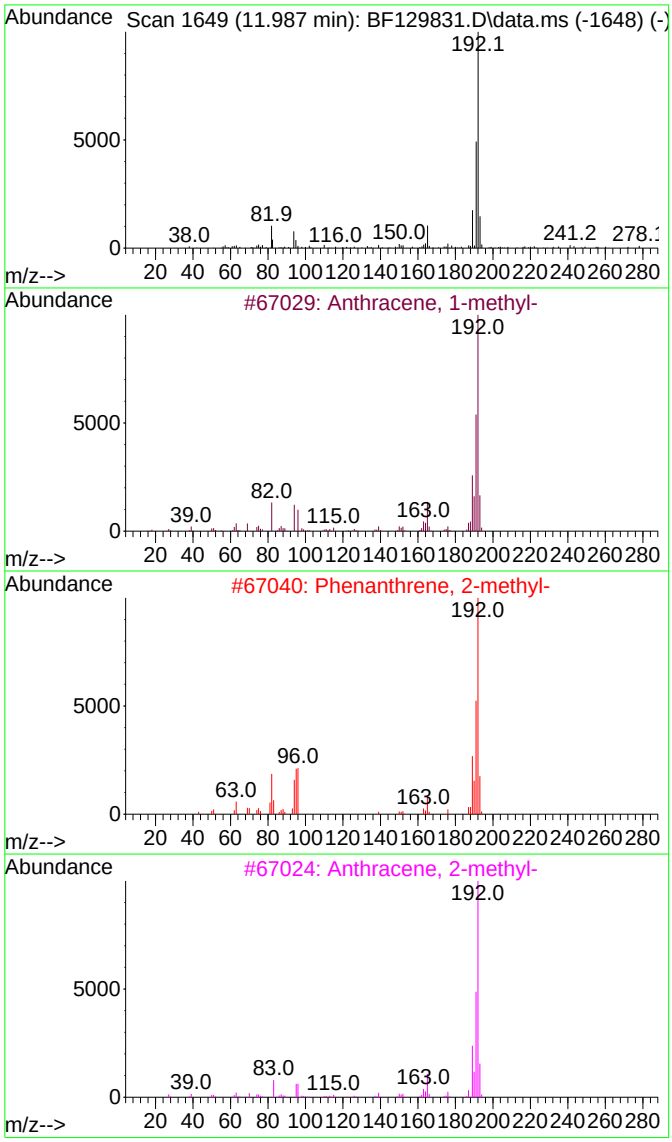
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

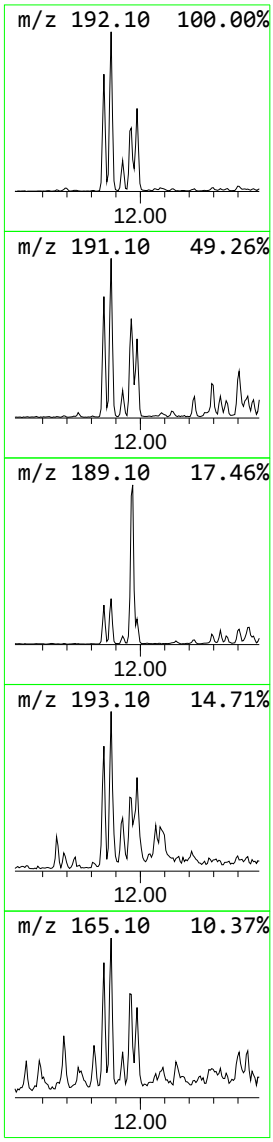
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.987	3.31 ng	127296	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

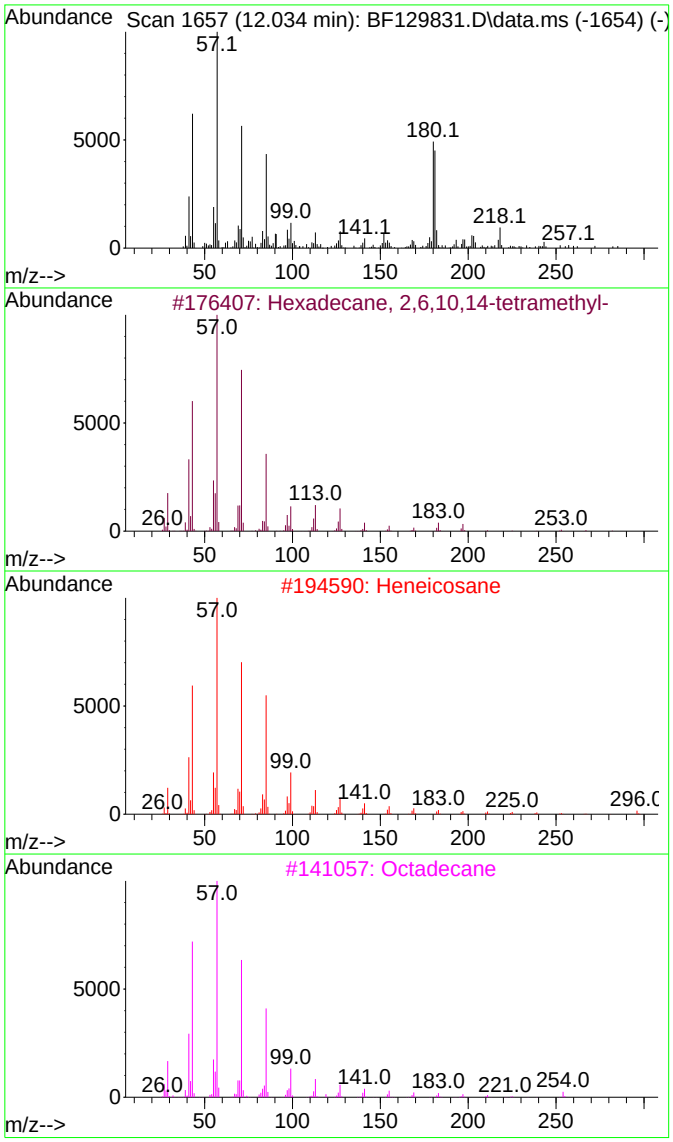
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

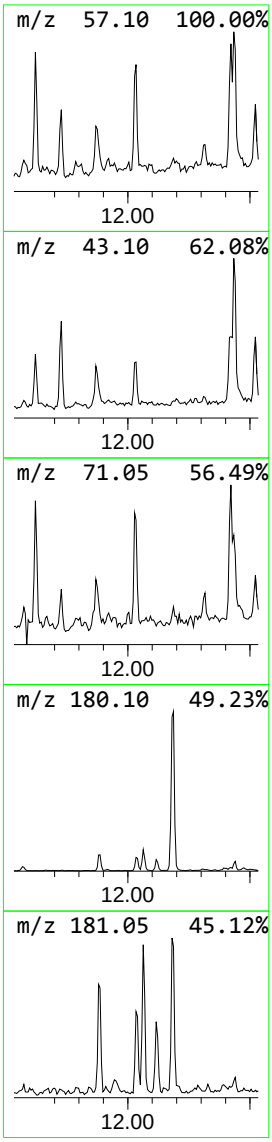
****

Peak Number 8 Hexadecane, 2,6,10,14-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.034	3.98 ng	153323	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	55
2	Heneicosane	296	C21H44	000629-94-7	46
3	Octadecane	254	C18H38	000593-45-3	45
4	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	45
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	45





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Misc :
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ClientSampleId :
NB-08-081522

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

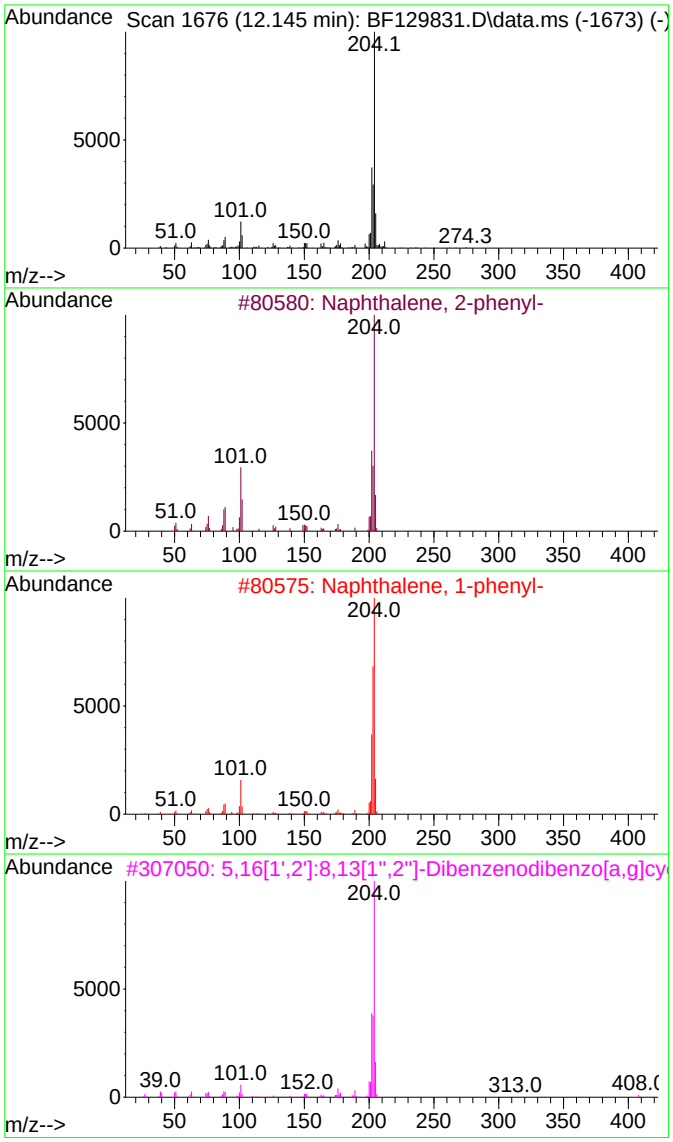
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

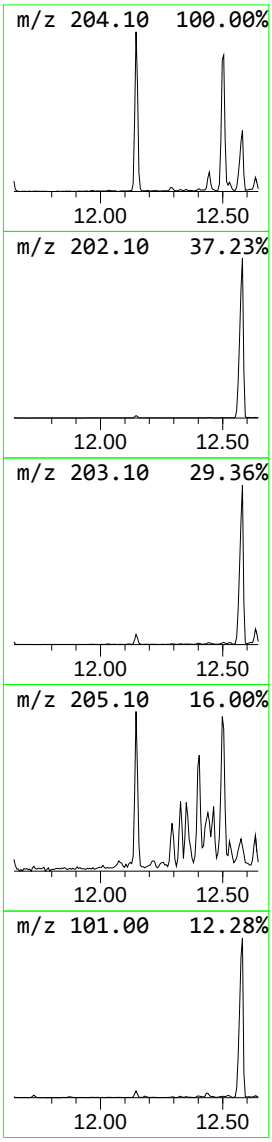
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.145	6.01 ng	231238	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	92
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

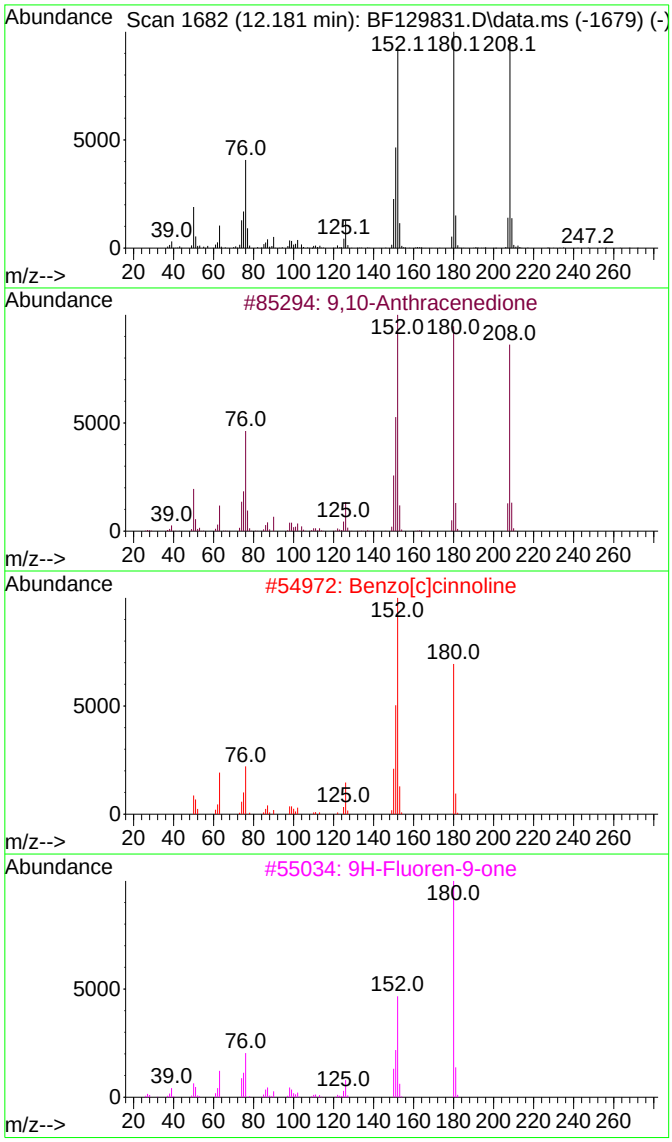
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

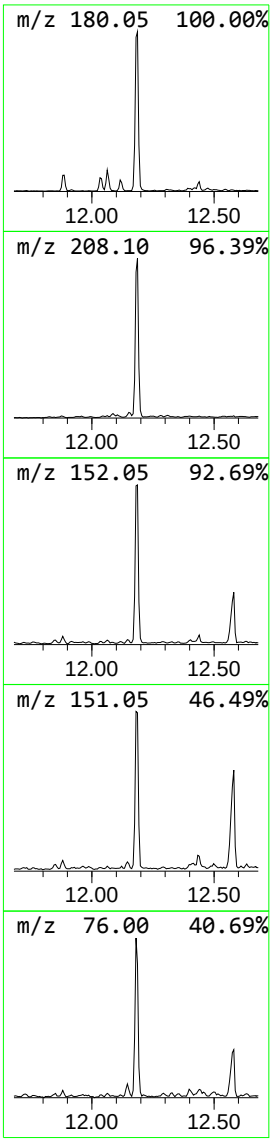
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.181	18.06 ng	694791	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NB-08-081522

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

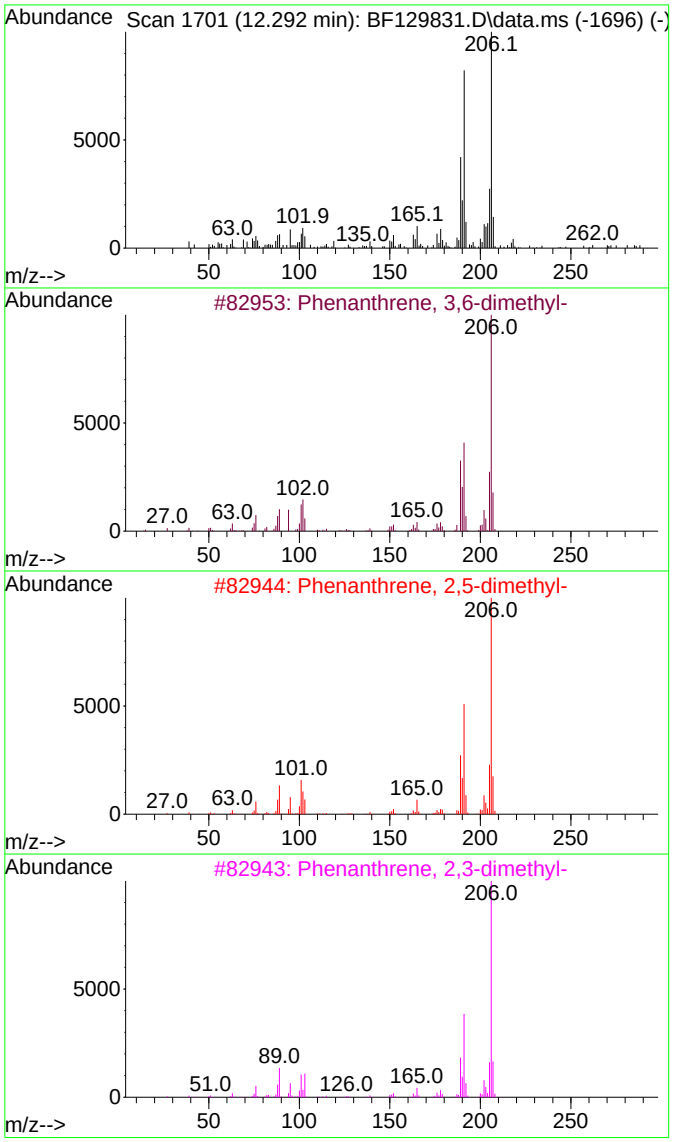
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

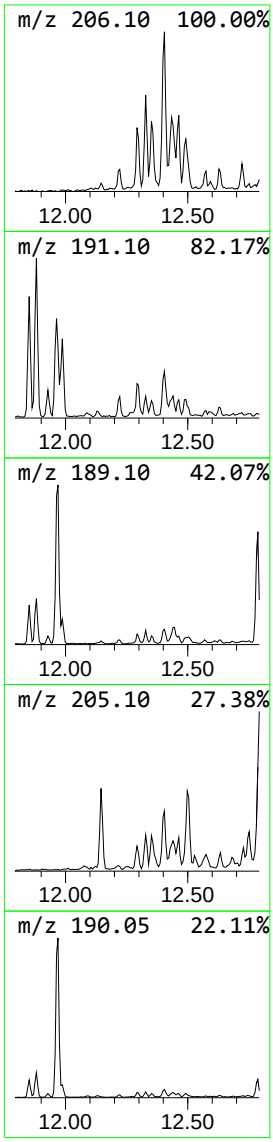
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	3.71 ng	142883	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78





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Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NB-08-081522

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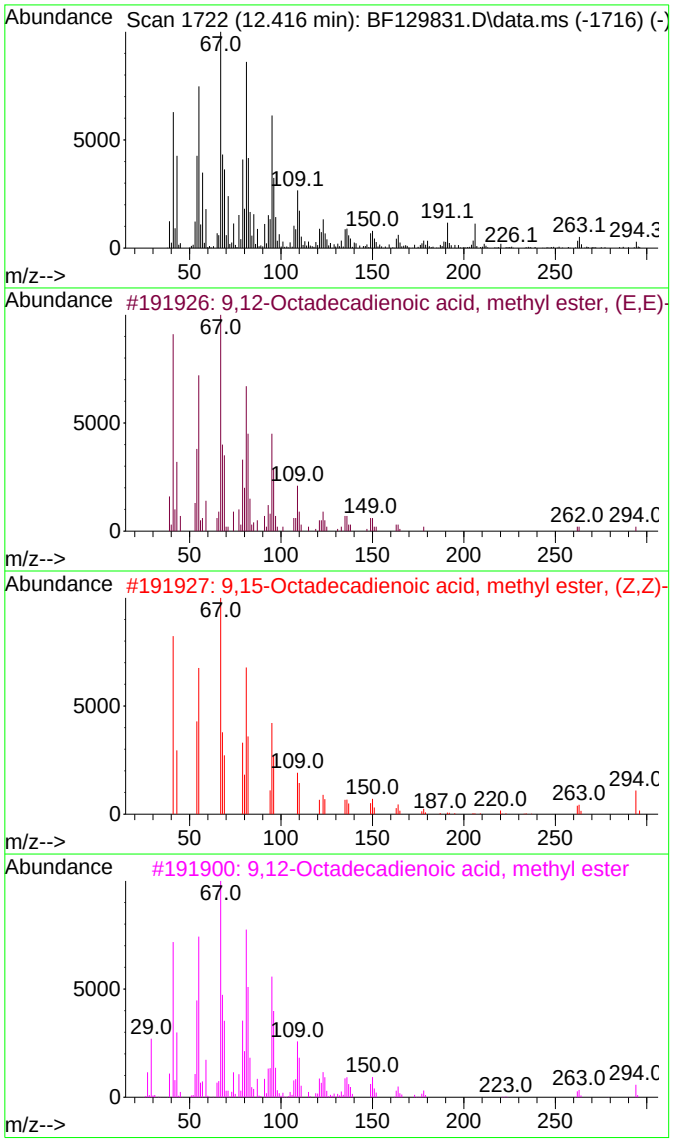
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

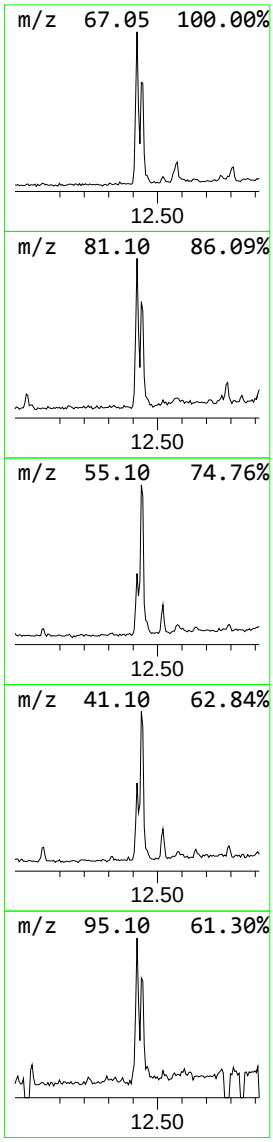
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	16.38 ng	630158	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	98
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	98
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98





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Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NB-08-081522

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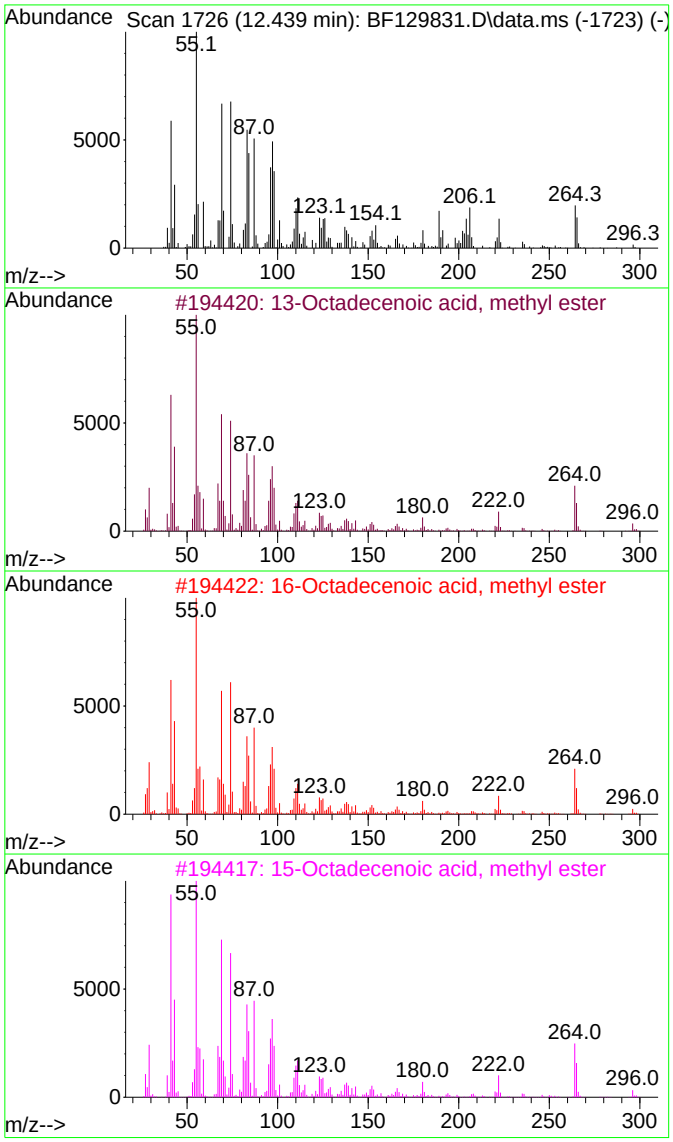
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

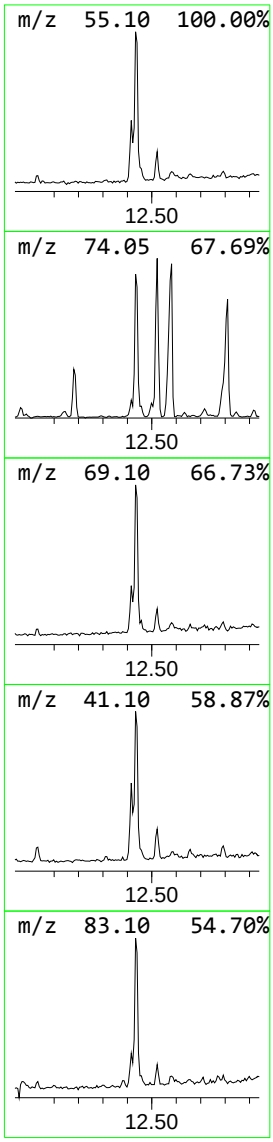
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.440	29.76 ng	1145070	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	96
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	96





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Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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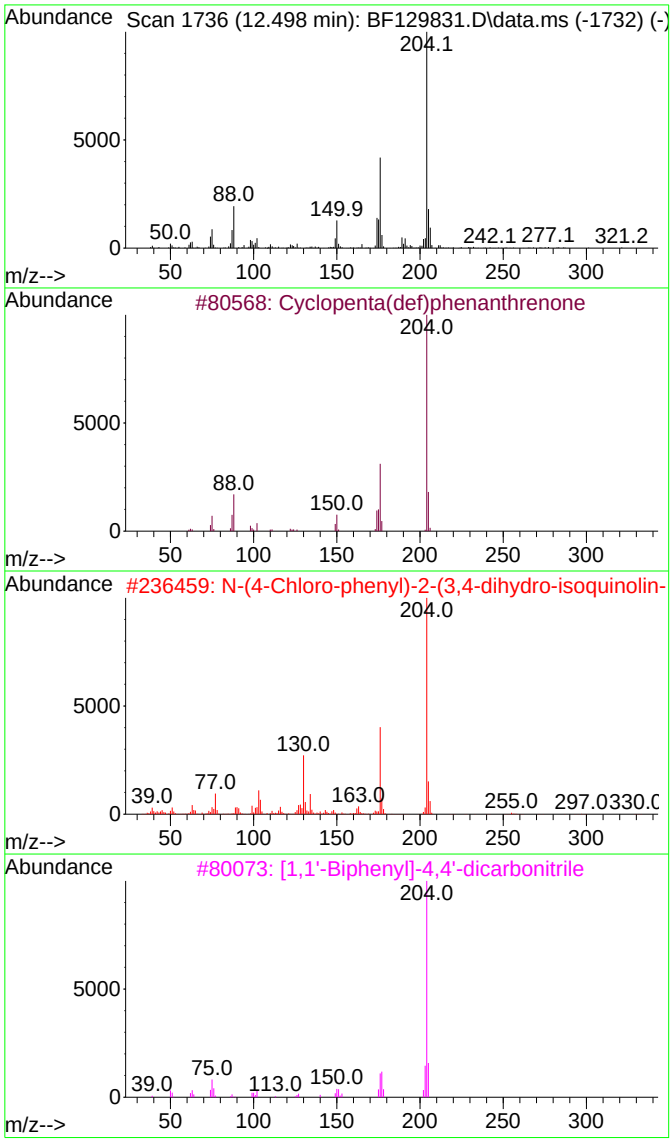
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

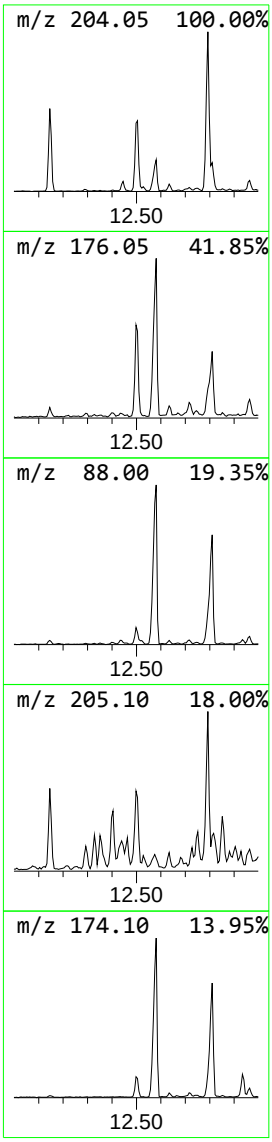
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	8.34 ng	320885	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	43





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

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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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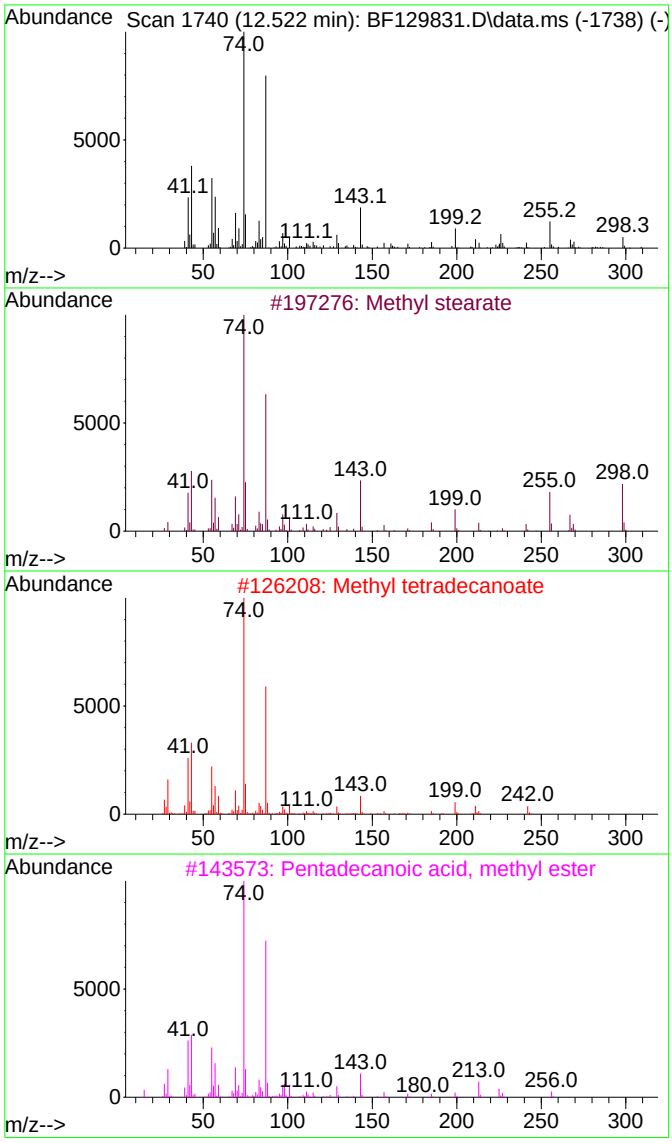
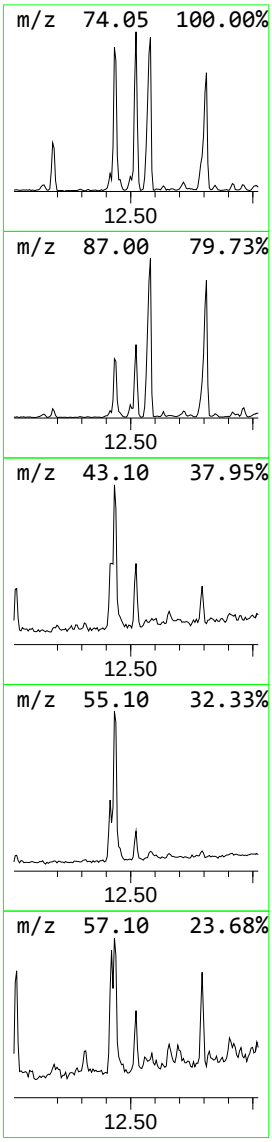
Peak Number 15 Methyl stearate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.522	6.06 ng	233363	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	96
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	81
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	74
5	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	72





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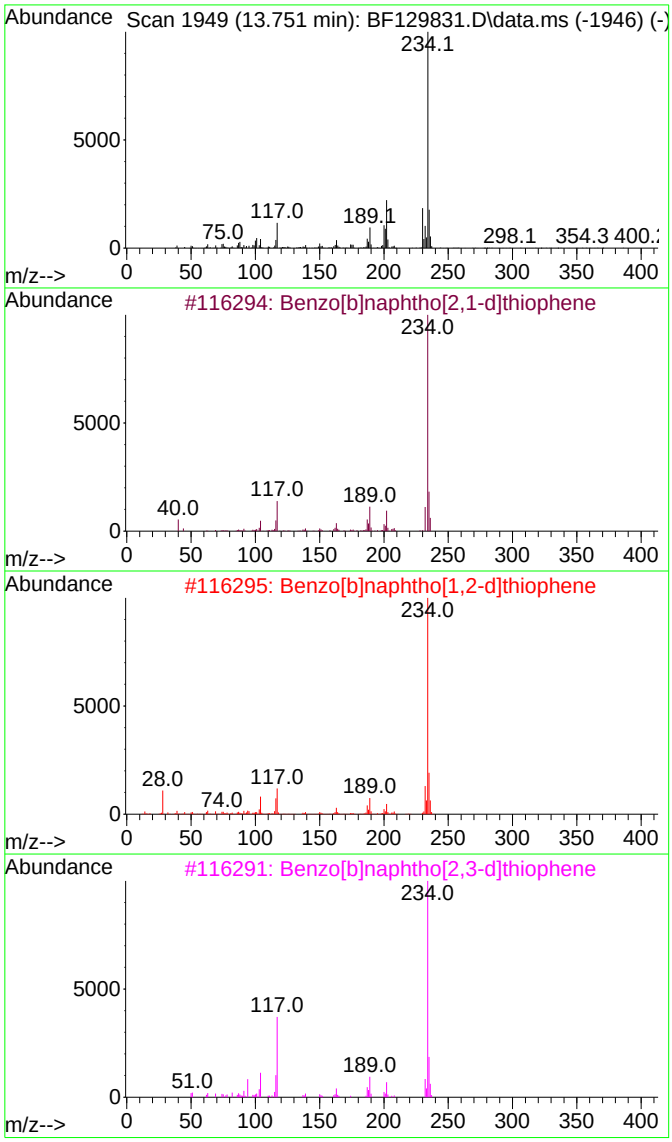
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

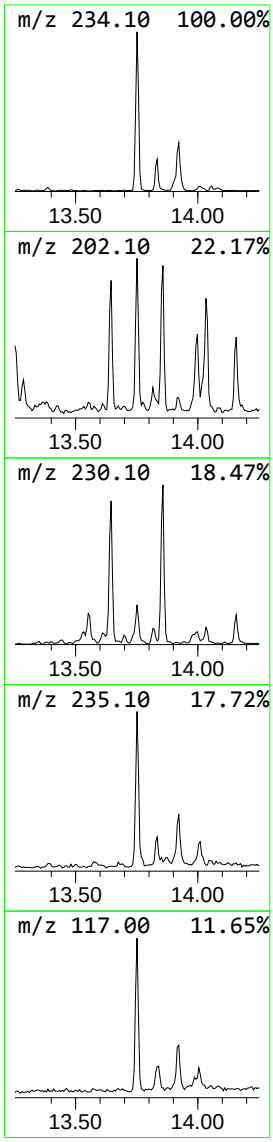
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	3.27 ng	676647	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	89
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
4	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	50
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	47





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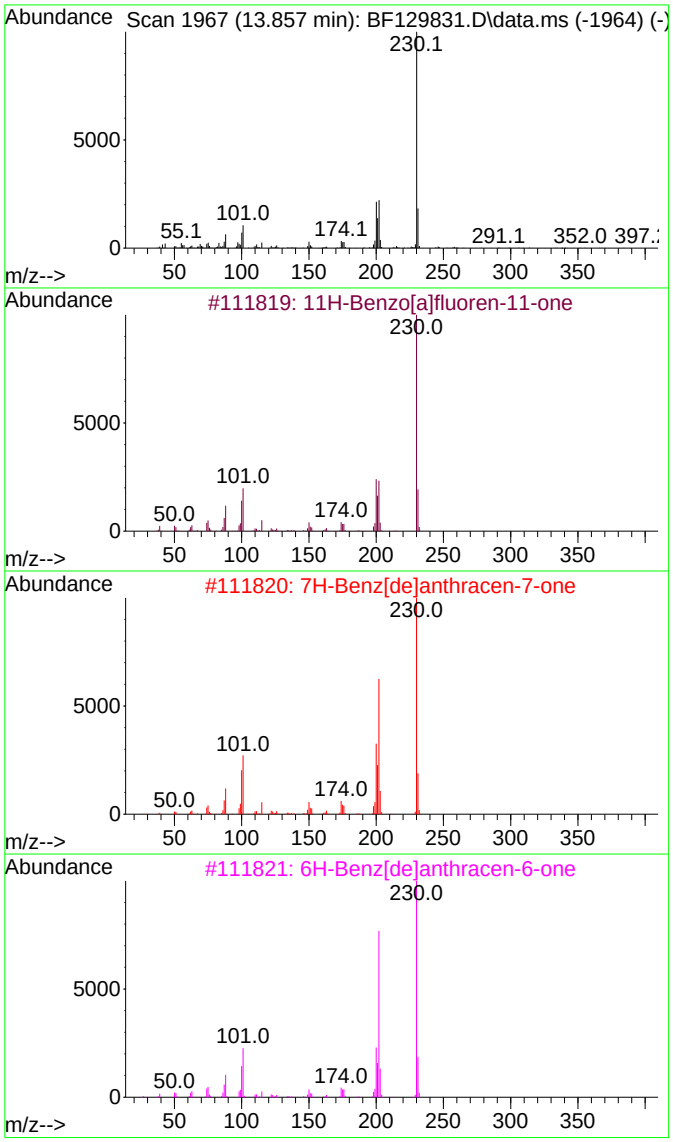
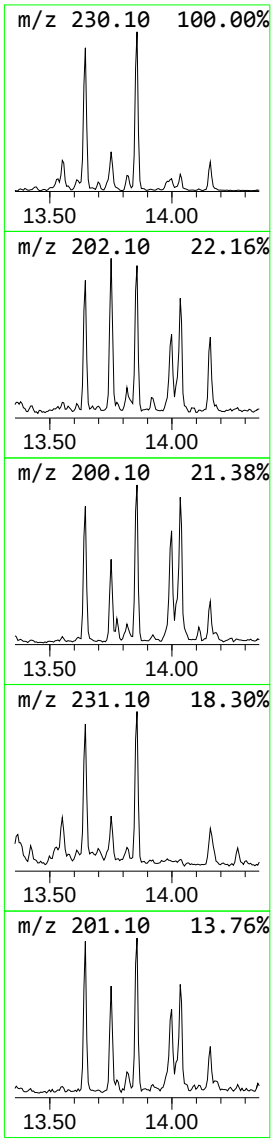
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	3.46 ng	716872	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	o-Terphenyl	230	C18H14	000084-15-1	53





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Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

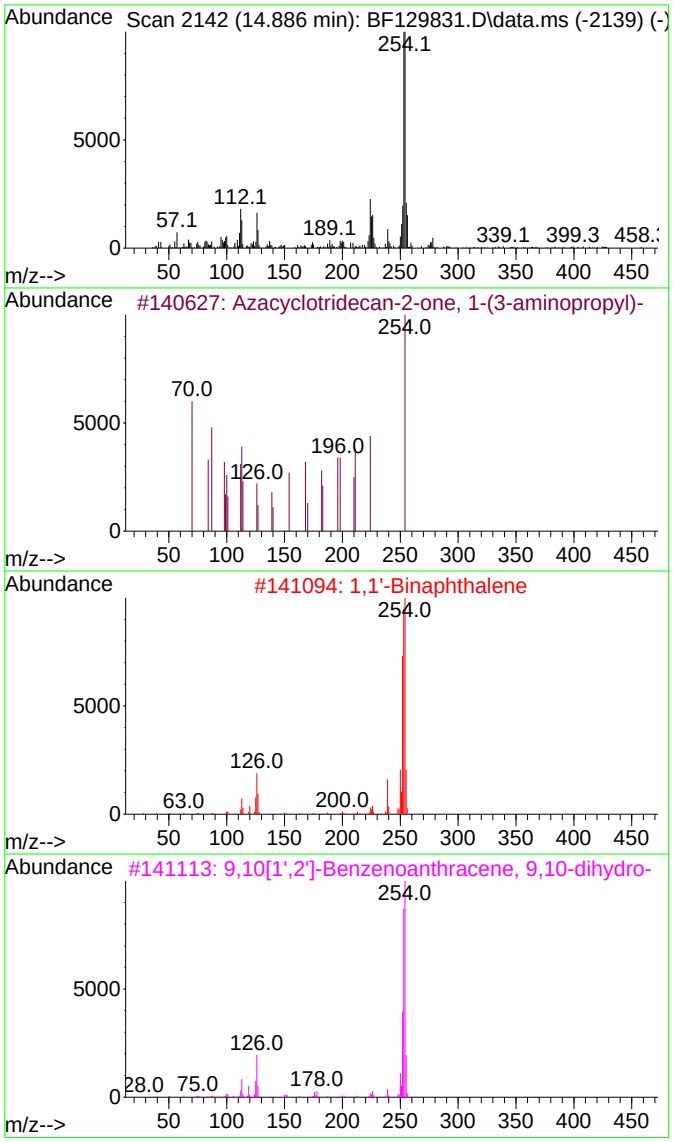
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

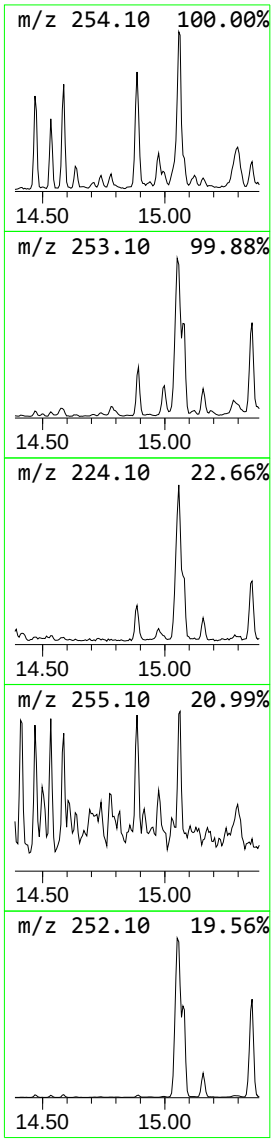
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Azacyclotridecan-2-one, 1-(... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.886	13.75 ng	298462	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	92
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4	9,10[1',4']-Benzenoanthracene, 9...	254	C20H14	1000487-02-7	68
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

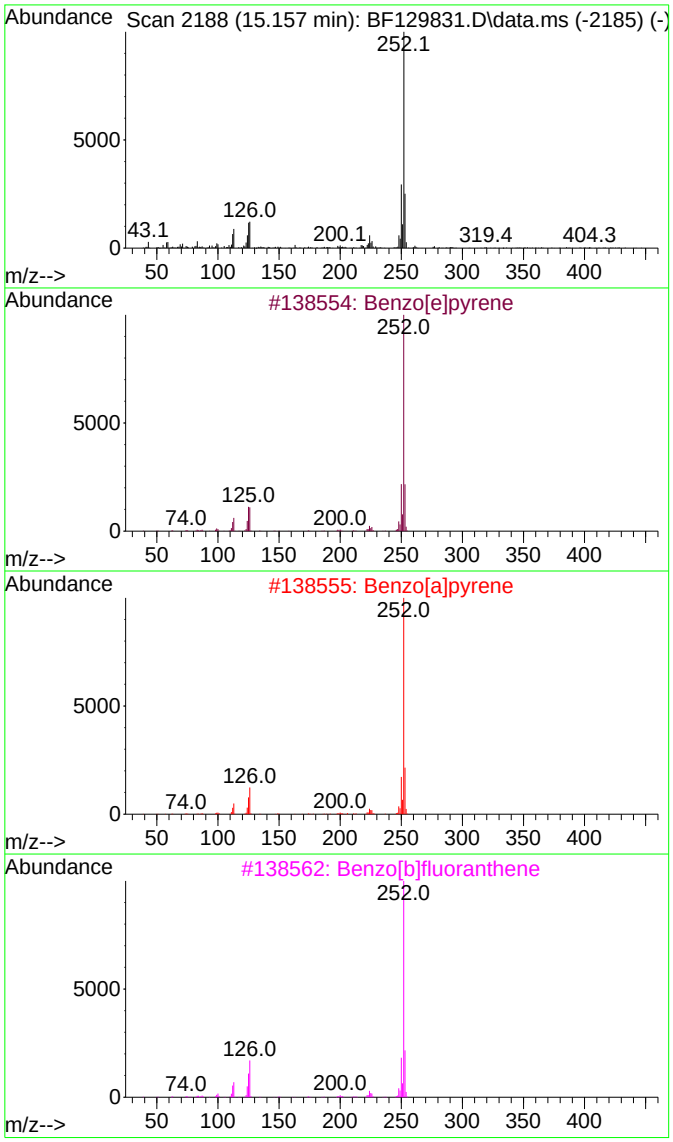
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

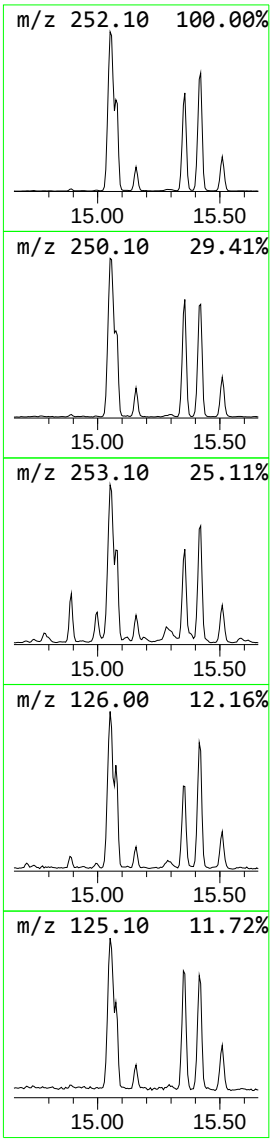
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	15.14 ng	328469	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

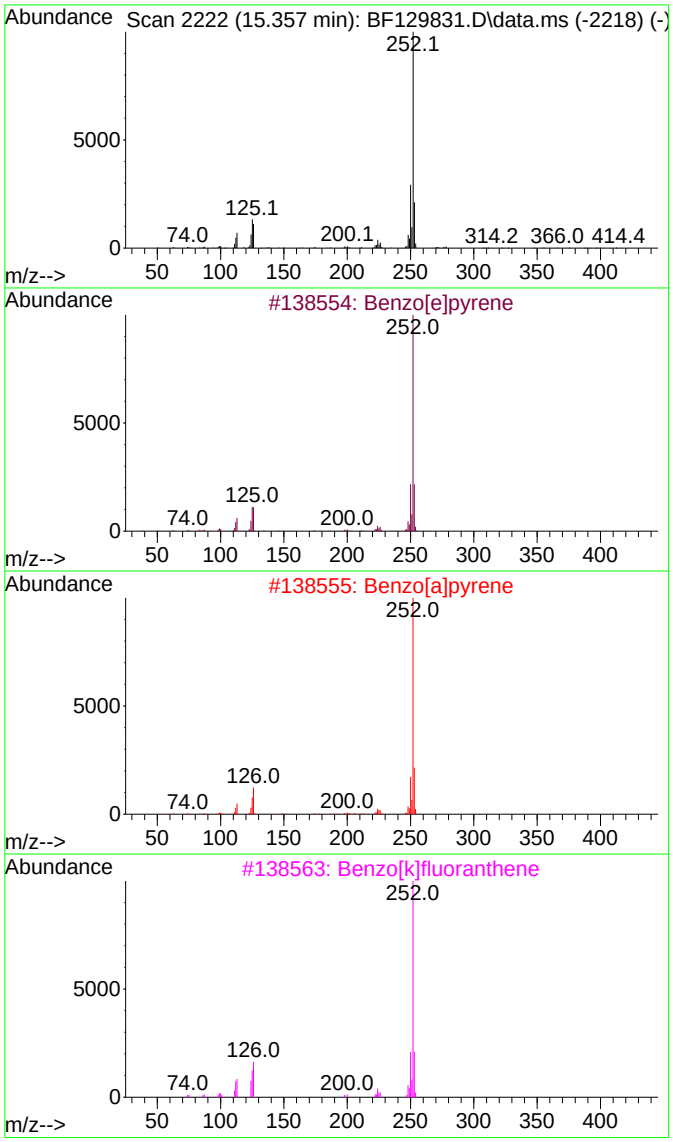
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

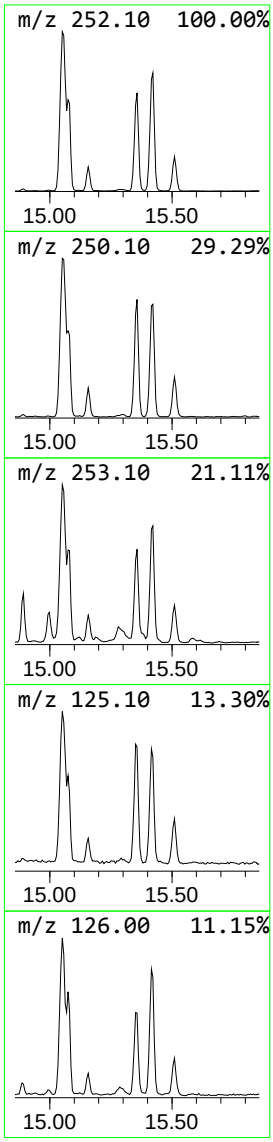
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.357	57.73 ng	1252820	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129831.D
Acq On : 17 Aug 2022 02:07
Operator : CG\JU
Sample : N4216-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-081522

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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
2-Pentanone, 4-...	5.040	3.9	ng	129610	1	6.822	659561	20.0
Octadecane	11.198	3.3	ng	125871	4	11.351	769604	20.0
Hexadecanoic ac...	11.728	8.1	ng	313191	4	11.351	769604	20.0
Phenanthrene, 2...	11.851	6.4	ng	245208	4	11.351	769604	20.0
Phenanthrene, 1...	11.881	12.2	ng	470364	4	11.351	769604	20.0
4H-Cyclopenta[d...	11.963	14.1	ng	540991	4	11.351	769604	20.0
Anthracene, 1-m...	11.987	3.3	ng	127296	4	11.351	769604	20.0
Hexadecane, 2,6...	12.034	4.0	ng	153323	4	11.351	769604	20.0
Naphthalene, 2-...	12.145	6.0	ng	231238	4	11.351	769604	20.0
9,10-Anthracene...	12.181	18.1	ng	694791	4	11.351	769604	20.0
Phenanthrene, 3...	12.292	3.7	ng	142883	4	11.351	769604	20.0
9,12-Octadecadi...	12.416	16.4	ng	630158	4	11.351	769604	20.0
13-Octadecenoic...	12.440	29.8	ng	1145070	4	11.351	769604	20.0
Cyclopenta(def)...	12.498	8.3	ng	320885	4	11.351	769604	20.0
Methyl stearate	12.522	6.1	ng	233363	4	11.351	769604	20.0
Benzo[b]naphtho...	13.751	3.3	ng	676647	5	14.004	4140760	20.0
11H-Benzo[a]flu...	13.857	3.5	ng	716872	5	14.004	4140760	20.0
Azacyclotrideca...	14.886	13.8	ng	298462	6	15.480	434013	20.0
Benzo[e]pyrene	15.157	15.1	ng	328469	6	15.480	434013	20.0
Benzo[j]fluoran...	15.357	57.7	ng	1252820	6	15.480	434013	20.0