LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

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-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128181.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.516	544	549	552	rBV	1871667	1688062	84.24%	6.742%
2	6.522	715	720	723	rBV	1770851	1731604	86.41%	6.916%
3	6.892	779	783	786	rBV	540655	447683	22.34%	1.788%
4	7.457	874	879	882	rBV	1290671	1156101	57.69%	4.618%
5	8.175	997	1001	1004	rBV	669040	578362	28.86%	2.310%
6	8.886	1118	1122	1125	rBV	38380	30246	1.51%	0.121%
7	8.986	1136	1139	1142	rVB	51022	41022	2.05%	0.164%
8	9.251	1179	1184	1187	rBV	2260601	2003973	100.00%	8.004%
9	9.586	1237	1241	1244	rBV	58179	59475	2.97%	0.238%
10	9.704	1257	1261	1266	rVB	30323	34221	1.71%	0.137%
11	9.792	1272	1276	1281	rBV	139279	118968	5.94%	0.475%
12	9.933	1296	1300	1303	rVV	742664	618568	30.87%	2.471%
13	9.963	1303	1305	1308	rVB	78518	60865	3.04%	0.243%
14	10.133	1330	1334	1337	rVV2	50999	57377	2.86%	0.229%
15	10.169	1337	1340	1344	rVB	39589	31622	1.58%	0.126%
16	10.245	1349	1353	1356	rBV	40276	47521	2.37%	0.190%
17	10.327	1364	1367	1370	rBV3	27184	44013	2.20%	0.176%
18	10.480	1390	1393	1399	rVB2	79439	85406	4.26%	0.341%
19	10.545	1399	1404	1406	rBV2	20772	28088	1.40%	0.112%
20	10.633	1415	1419	1423	rVB2	27043	30647	1.53%	0.122%
21	10.722	1430	1434	1438	rBV	1258110	1107190	55.25%	4.422%
22	10.839	1448	1454	1461	rVB5	40034	86540	4.32%	0.346%
23	11.027	1481	1486	1489	rBV4	40832	56681	2.83%	0.226%
24	11.151	1503	1507	1510	rBV4	24717	36947	1.84%	0.148%
25	11.227	1517	1520	1524	rVV	75239	63071	3.15%	0.252%
26	11.269	1524	1527	1530	rVV3	36534	36031	1.80%	0.144%
27	11.321	1530	1536	1539	rVB	62952	75497	3.77%	0.302%
28	11.421	1550	1553	1555	rBV	673377	591887	29.54%	2.364%
29	11.445	1555	1557	1562	rVV	833282	748110	37.33%	2.988%
30	11.498	1563	1566	1569	rVV	167043	132180	6.60%	0.528%
31	11.533	1569	1572	1574	rVB2	29807	31836	1.59%	0.127%
32	11.657	1588	1593	1598	rBV2	83487	105971	5.29%	0.423%
33	11.751	1607	1609	1613	rVB2	76332	73863	3.69%	0.295%
34	11.833	1621	1623	1628	rVB	41864	47643	2.38%	0.190%
35	11.921	1635	1638	1641	rVV	245180	250315	12.49%	1.000%
36	11.951	1641	1643	1646	rVV	285699	239082	11.93%	0.955%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

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-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.998	1646	1651	1654	rVV2	44140	47115	2.35%	0.188%
38	12.033	1654	1657	1660	rVV2	286031	327209	16.33%	1.307%
39	12.057	1660	1661	1665	rVB	183544	135888	6.78%	0.543%
40	12.110	1667	1670	1672	rBV2	43675	46610	2.33%	0.186%
41	12.151	1675	1677	1682	rVV2	229565	251614	12.56%	1.005%
42	12.221	1686	1689	1691	rVV	125354	124273	6.20%	0.496%
43	12.251	1691	1694	1699	rVB	178081	166759	8.32%	0.666%
44	12.351	1708	1711	1712	rBV	33131	30271	1.51%	0.121%
45	12.368	1712	1714	1717	rVV	67985	66307	3.31%	0.265%
46	12.398	1717	1719	1721	rVV	88661	73441	3.66%	0.293%
47	12.421	1721	1723	1726	rVB2	61005	51521	2.57%	0.206%
48	12.474	1726	1732	1734	rBV	217422	223617	11.16%	0.893%
49	12.510	1734	1738	1740	rVV4	101516	161188	8.04%	0.644%
50	12.533	1740	1742	1744	rVV	84854	64122	3.20%	0.256%
51	12.563	1744	1747	1751	rVV3	132759	166958	8.33%	0.667%
52	12.592	1751	1752	1755	rVV3	37747	35080	1.75%	0.140%
53	12.639	1756	1760	1764	rVV	1077799	977989	48.80%	3.906%
54	12.680	1764	1767	1769	rVV	58881	54613	2.73%	0.218%
55	12.704	1769	1771	1772	rVV2	60237	56384	2.81%	0.225%
56	12.733	1773	1776	1779	rVV	103640	107072	5.34%	0.428%
57	12.768	1779	1782	1784	rVV2	64647	70545	3.52%	0.282%
58	12.792	1784	1786	1788	rVV	72171	64318	3.21%	0.257%
59	12.827	1788	1792	1794	rVV4	61551	91213	4.55%	0.364%
60	12.874	1794	1800	1805	rVV	1063873	1154886	57.63%	4.613%
61	12.921	1805	1808	1811	rVB2	101489	106146	5.30%	0.424%
62	13.010	1819	1823	1826	rBV	1839633	1532271	76.46%	6.120%
63	13.086	1832	1836	1840	rBV2	109071	177495	8.86%	0.709%
64	13.174	1847	1851	1852	rVV2	103184	111992	5.59%	0.447%
65	13.198	1852	1855	1858	rVB2	168263	168140	8.39%	0.672%
66	13.227	1858	1860	1864	rBV4	31100	47982	2.39%	0.192%
67	13.263	1864	1866	1869	rBV	105974	78385	3.91%	0.313%
68	13.304	1869	1873	1875	rVV2	143838	147211	7.35%	0.588%
69	13.392	1885	1888	1891	rVV	125557	104166	5.20%	0.416%
70	13.427	1891	1894	1896	rVV	102520	97570	4.87%	0.390%
71	13.510	1905	1908	1911	rVB2	29480	31979	1.60%	0.128%
72	13.568	1915	1918	1920	rBV4	35594	37296	1.86%	0.149%
73	13.680	1934	1937	1938	rBV3	29945	28537	1.42%	0.114%
74	13.704	1938	1941	1946	rVB	125124	142951	7.13%	0.571%
75	13.815	1955	1960	1963	rBV3	129988	181545	9.06%	0.725%
76	13.845	1963	1965	1967	rVV	97245	71311	3.56%	0.285%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

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-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.868	1967	1969	1973	rVV2	68356	82726	4.13%	0.330%
78	13.915	1974	1977	1981	rVB	148141	151760	7.57%	0.606%
79	14.033	1994	1997	1999	rBV2	86702	87696	4.38%	0.350%
80	14.068	1999	2003	2006	rVV2	691223	995185	49.66%	3.975%
81	14.098	2006	2008	2014	rVB	491721	425680	21.24%	1.700%
82	14.157	2014	2018	2020	rBV3	58452	78108	3.90%	0.312%
83	14.198	2023	2025	2026	rVV2	41325	34025	1.70%	0.136%
84	14.215	2026	2028	2034	rVB5	64269	76233	3.80%	0.304%
85	14.327	2045	2047	2049	rVB2	37808	31346	1.56%	0.125%
86	14.421	2060	2063	2064	rBV2	39522	35988	1.80%	0.144%
87	14.457	2064	2069	2072	rVV	143267	157043	7.84%	0.627%
88	14.492	2072	2075	2078	rBV2	84115	94563	4.72%	0.378%
89	14.580	2088	2090	2092	rBV	88582	67722	3.38%	0.270%
90	14.604	2092	2094	2097	rVB	60294	46192	2.31%	0.184%
91	15.127	2178	2183	2190	rBV	346887	687260	34.29%	2.745%
92	15.233	2198	2201	2206	rBV	81196	106947	5.34%	0.427%
93	15.439	2232	2236	2242	rVB	229936	303553	15.15%	1.212%
94	15.504	2242	2247	2252	rBV	312814	383516	19.14%	1.532%
95	15.568	2253	2258	2261	rVV	324932	427561	21.34%	1.708%
96	15.598	2261	2263	2269	rVB2	78666	114971	5.74%	0.459%
97	16.139	2353	2355	2361	rVB3	33602	47200	2.36%	0.189%
98	17.080	2510	2515	2521	rBV2	103709	191378	9.55%	0.764%
99	17.321	2553	2556	2562	rVB2	25914	49059	2.45%	0.196%
100	17.545	2588	2594	2601	rVB	87997	170167	8.49%	0.680%

Sum of corrected areas: 25036517

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
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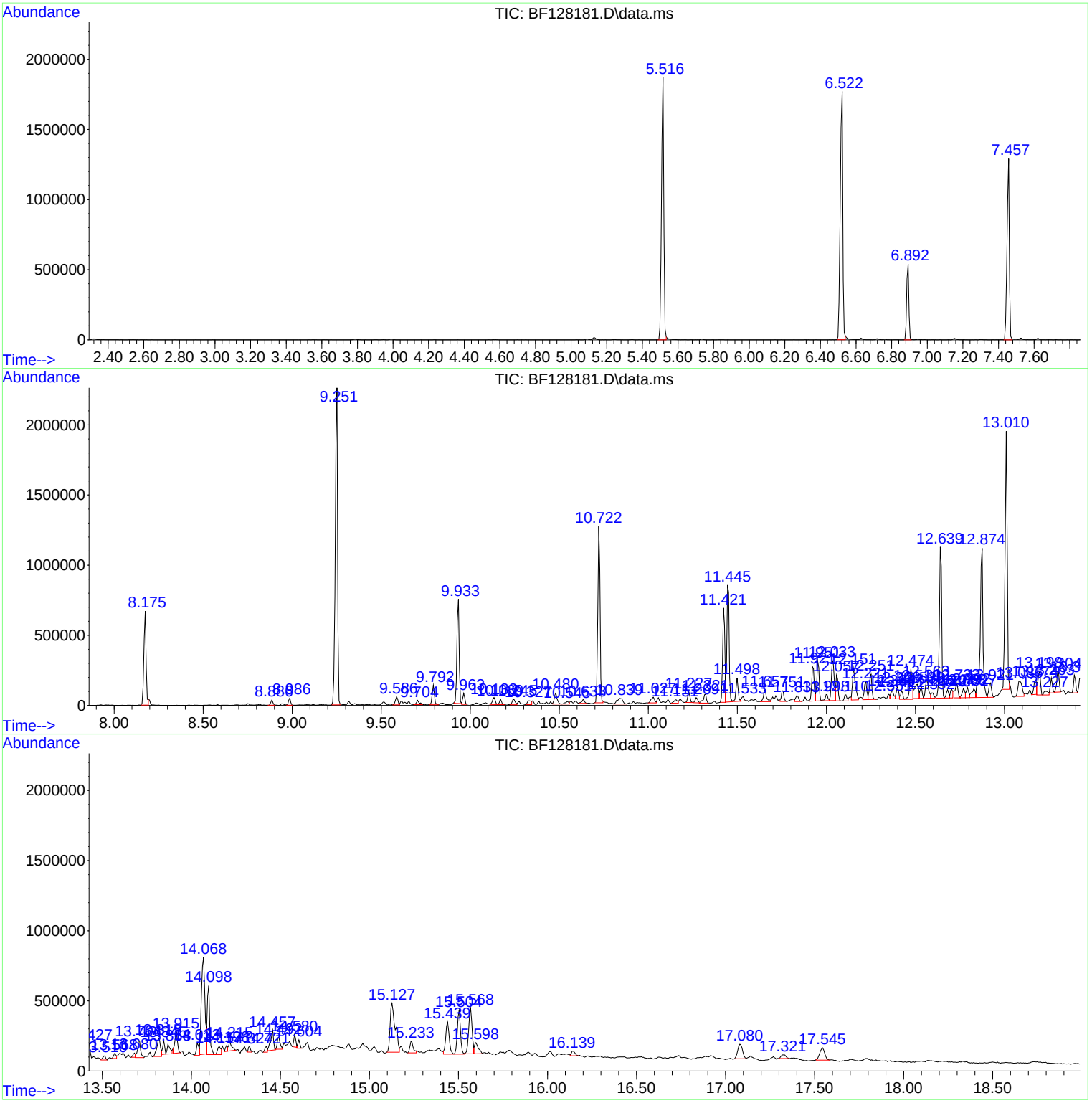
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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\BF051022\
Data File : BF128181.D
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Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

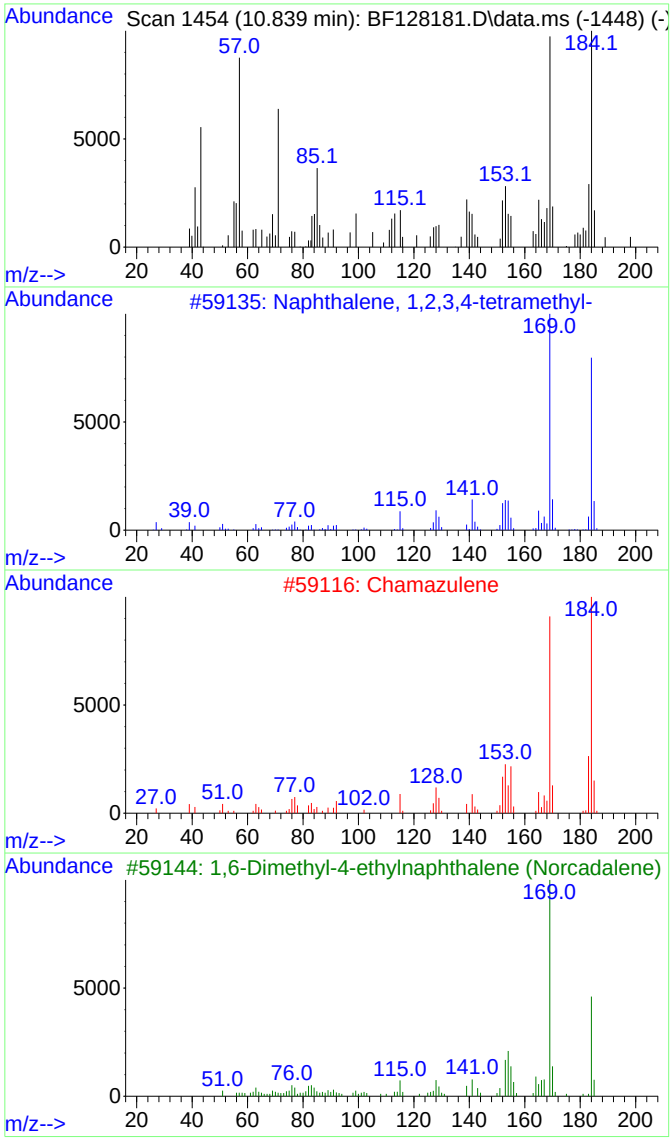
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

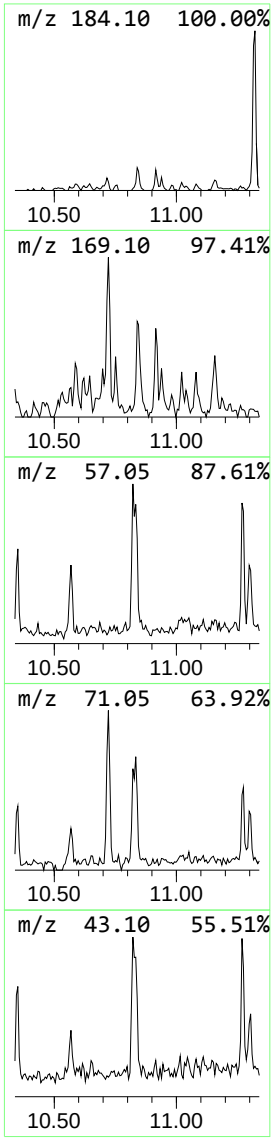
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,2,3,4-tetram... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	2.92 ng	86540	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	90
2	Chamazulene	184	C14H16	000529-05-5	86
3	1,6-Dimethyl-4-ethylnaphthalene ...	184	C14H16	1000383-71-7	70
4	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	64
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

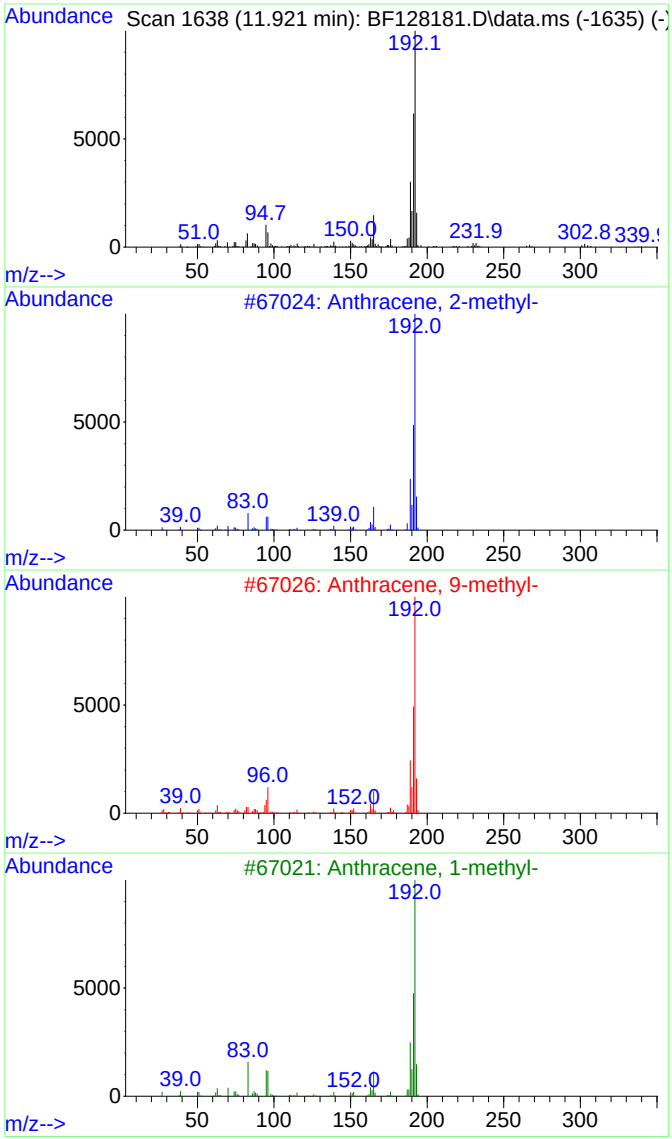
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

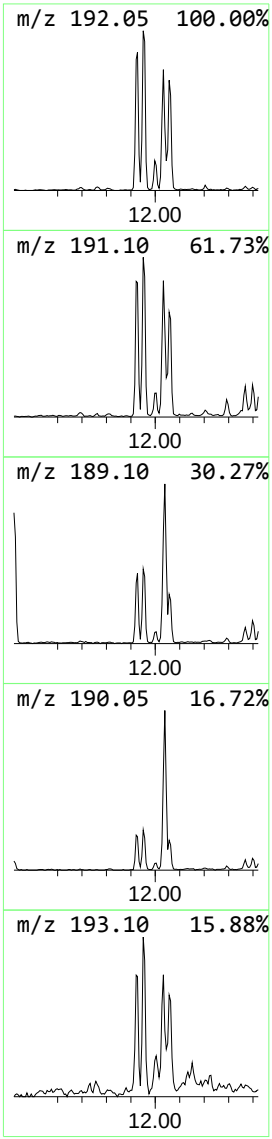
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	8.46 ng	250315	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

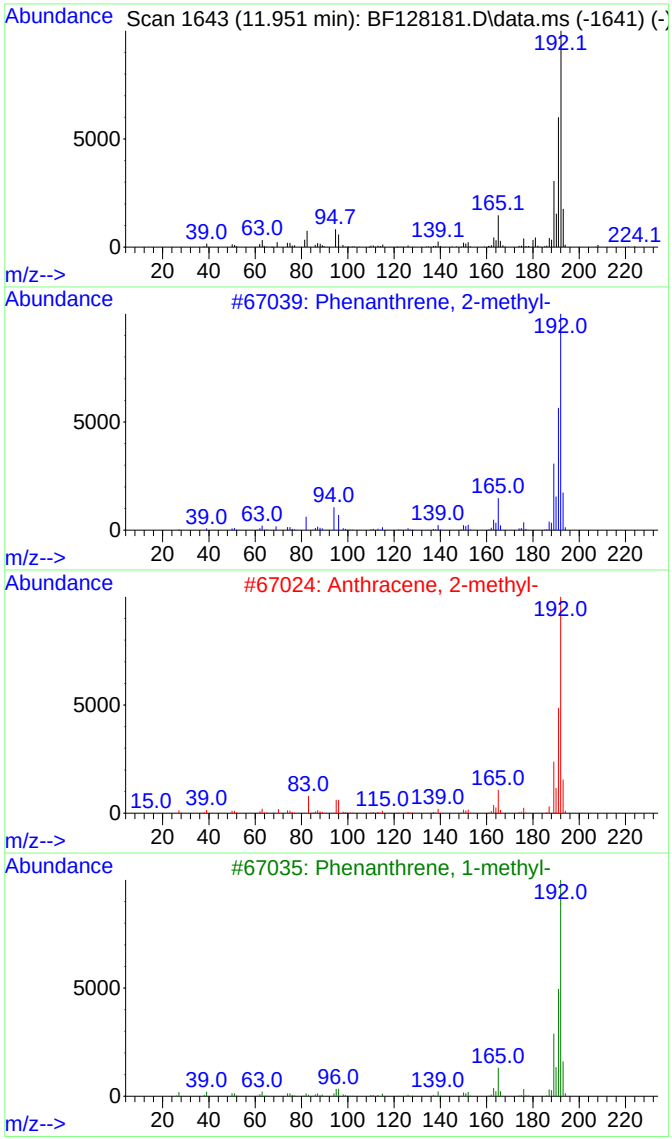
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

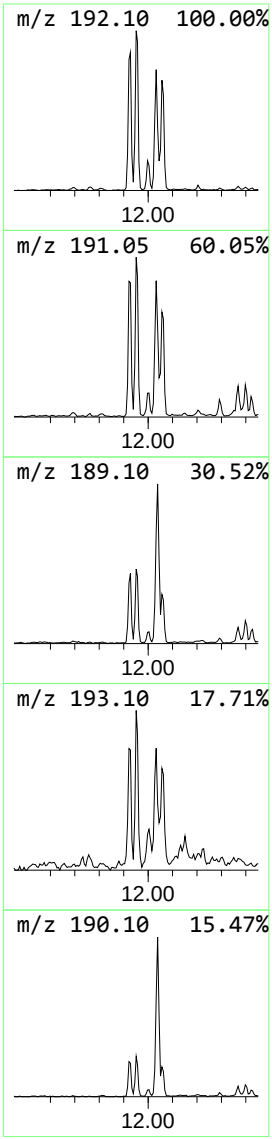
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	8.08 ng	239082	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

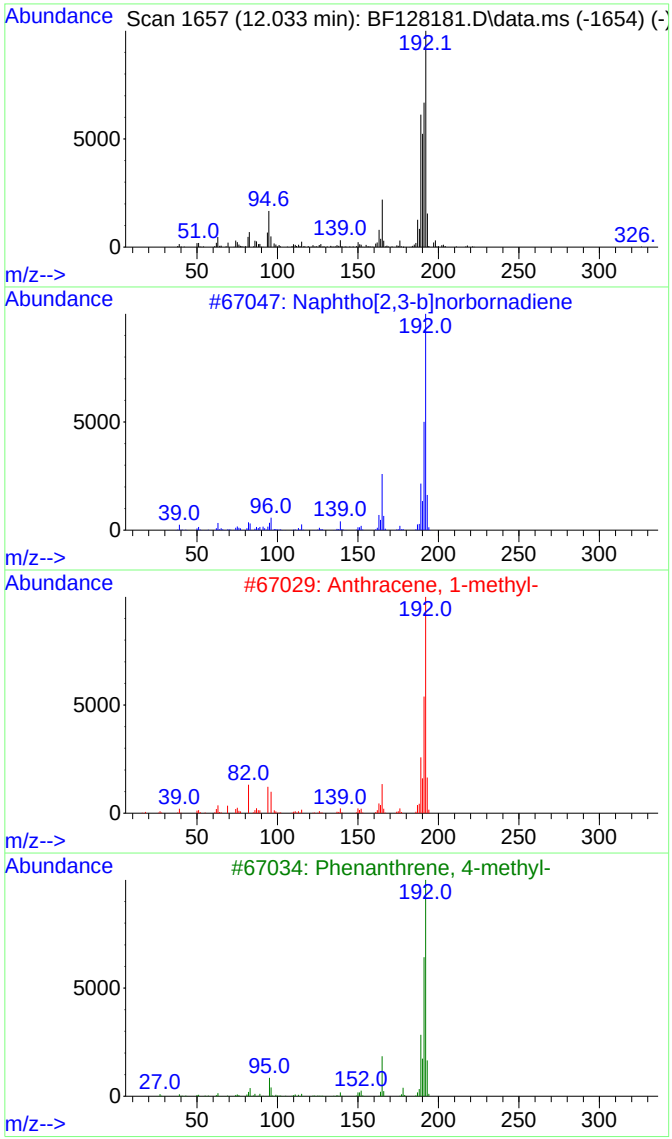
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

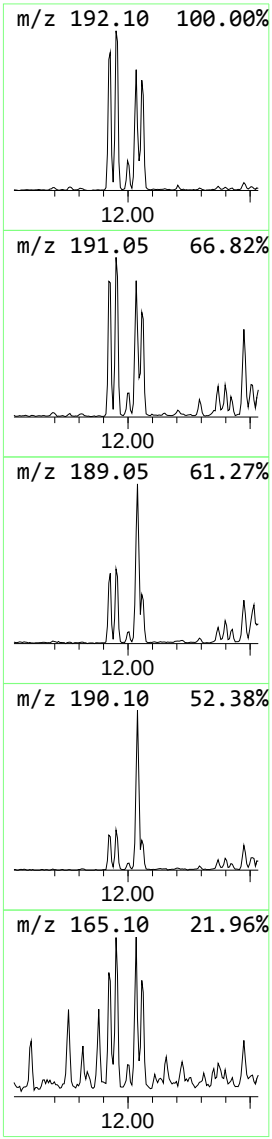
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphtho[2,3-b]norbornadiene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	11.06 ng	327209	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
Data File : BF128181.D
Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

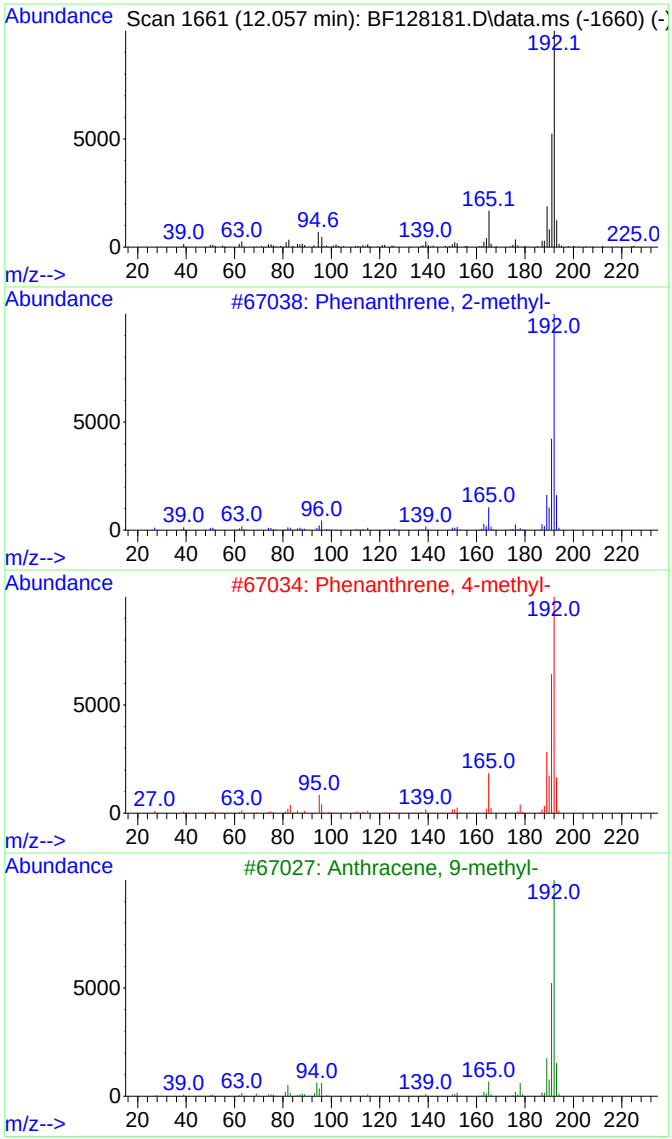
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

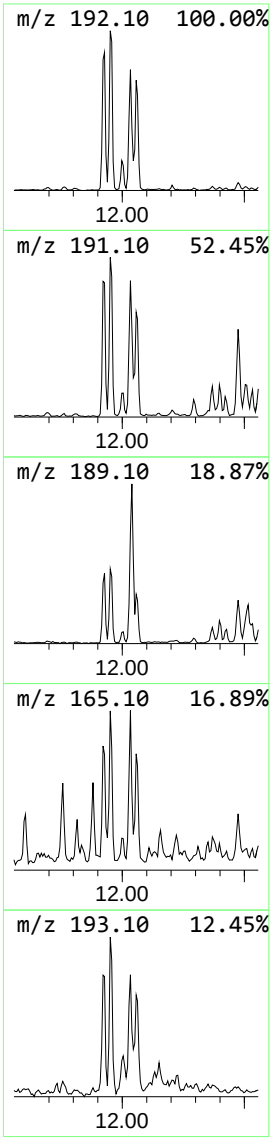
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	4.59 ng	135888	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

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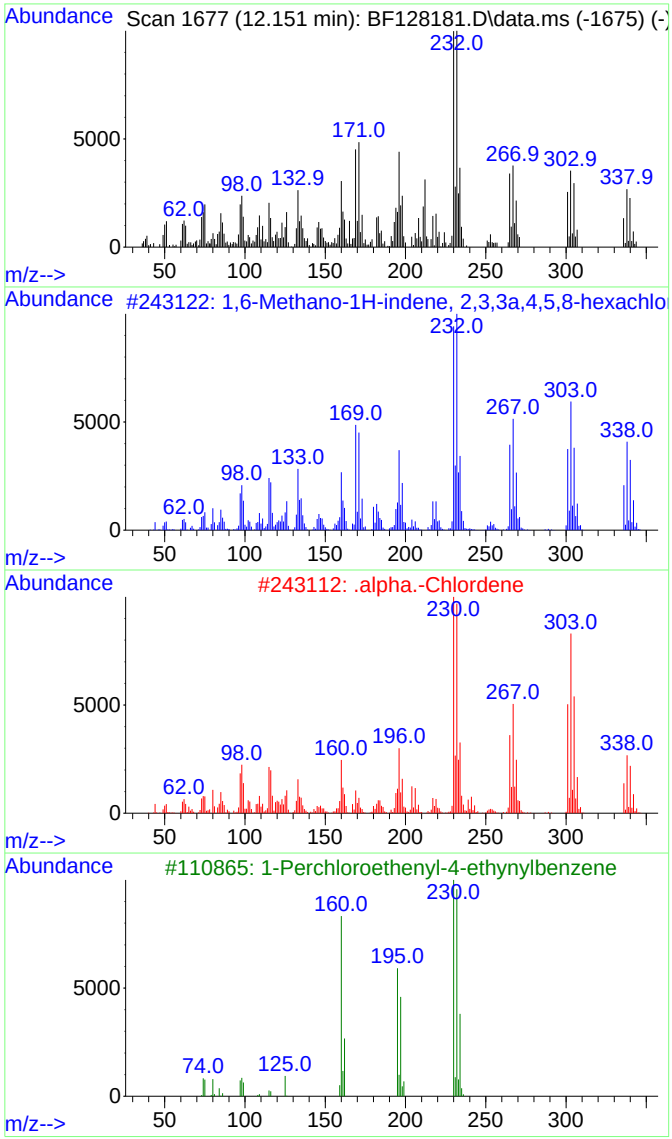
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

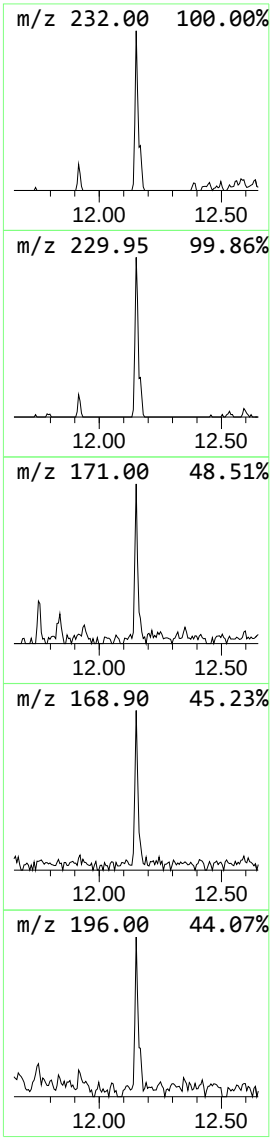
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,6-Methano-1H-indene, 2,3,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	8.50 ng	251614	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Methano-1H-indene, 2,3,3a,4,...	336	C10H6Cl6	056641-38-4	98
2	.alpha.-Chlordene	336	C10H6Cl6	056534-02-2	90
3	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	89
4	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	55
5	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	55





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

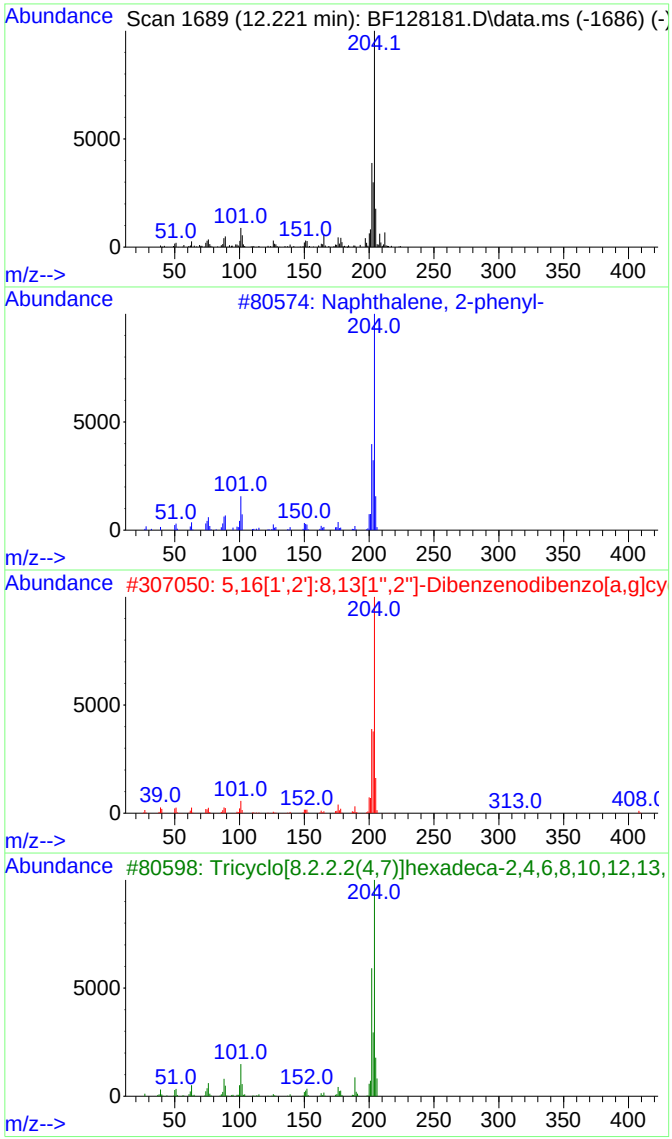
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

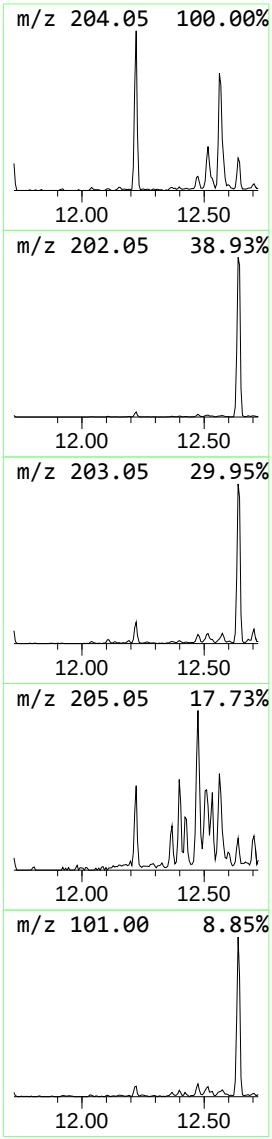
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.221	4.20 ng	124273	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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

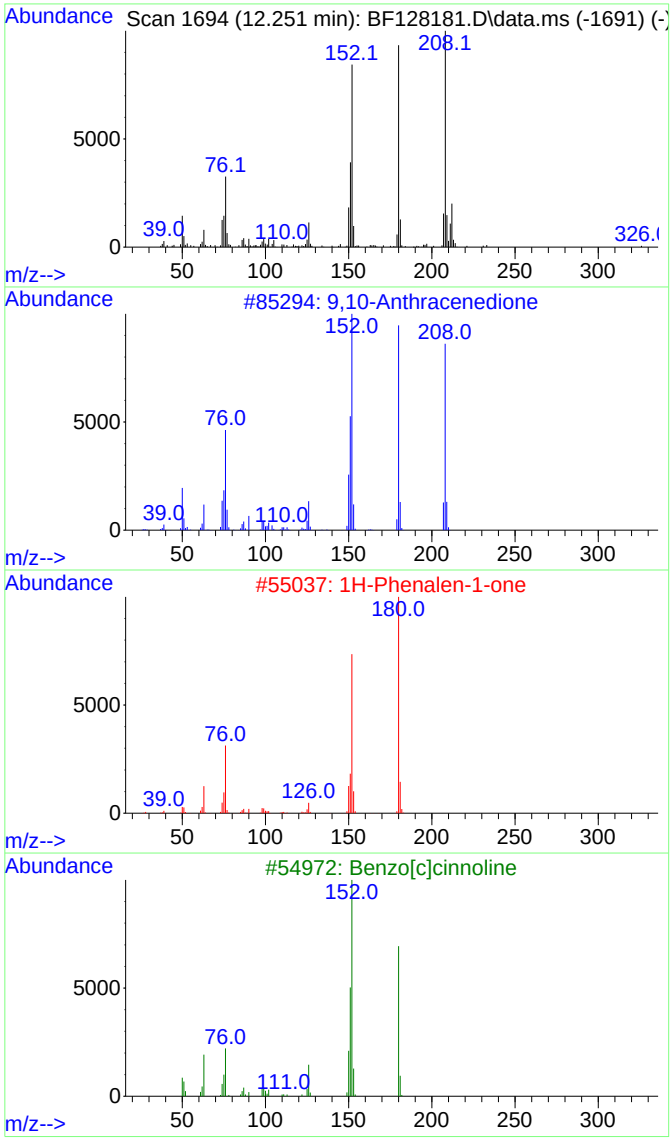
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

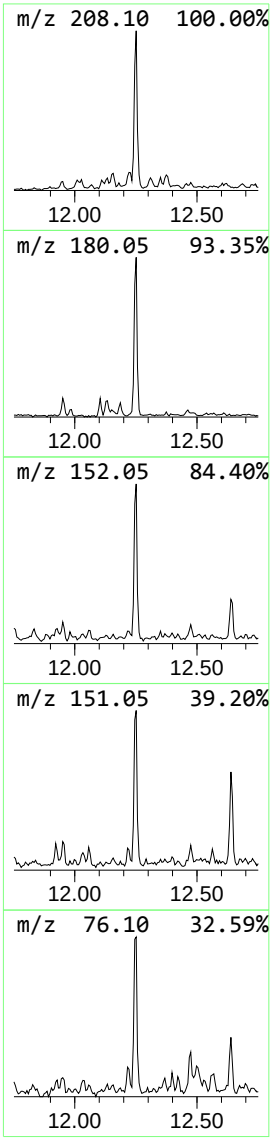
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	5.63 ng	166759	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





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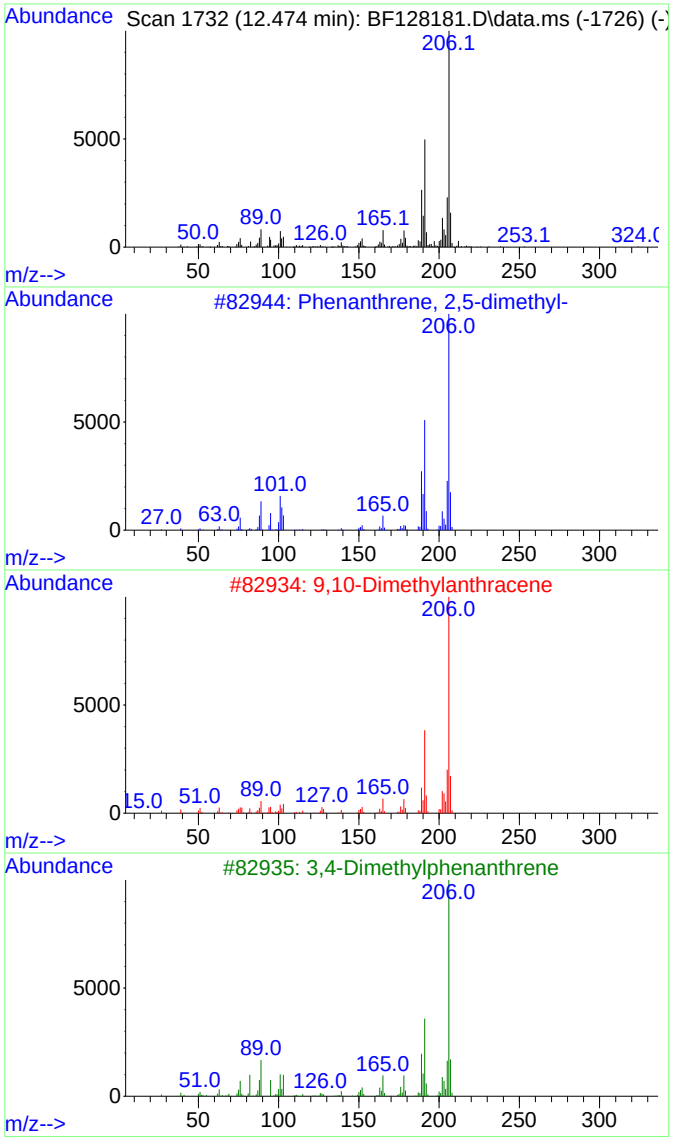
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

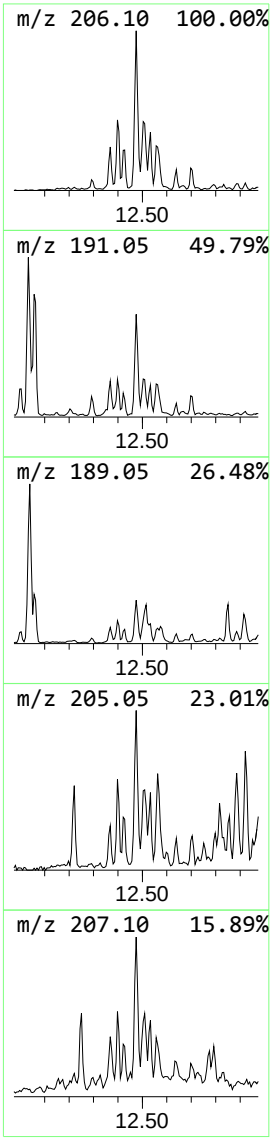
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	7.56 ng	223617	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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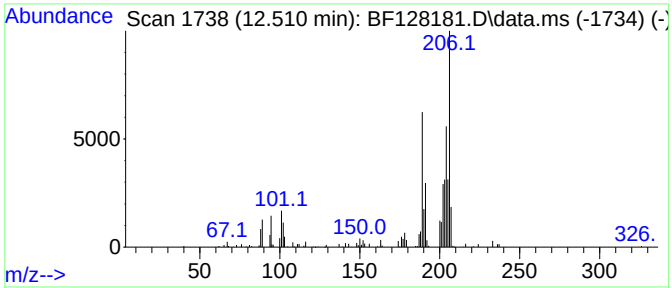
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

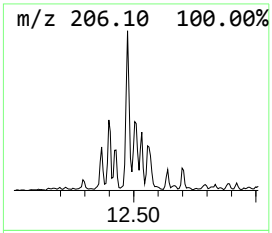
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

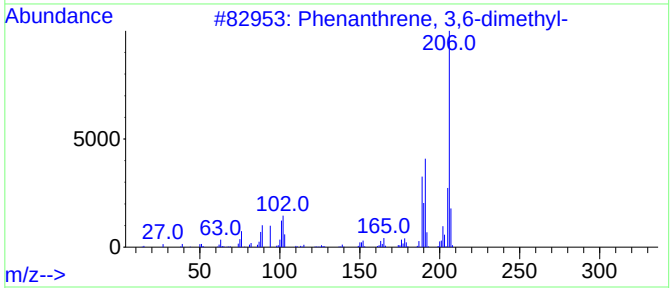
****
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

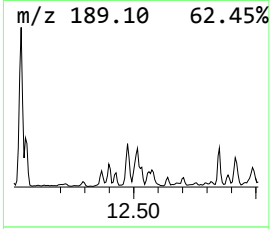
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	5.45 ng	161188	Phenanthrene-d10	11.422

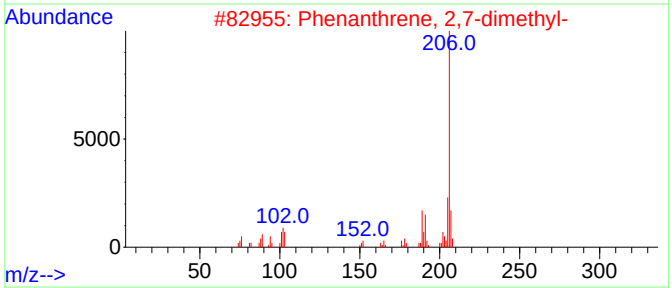
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	43
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	43

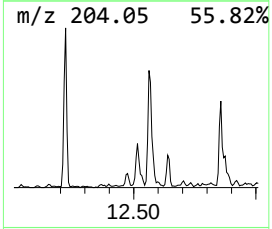


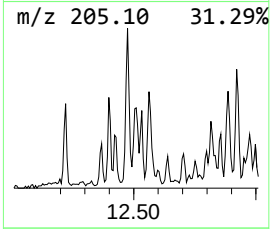


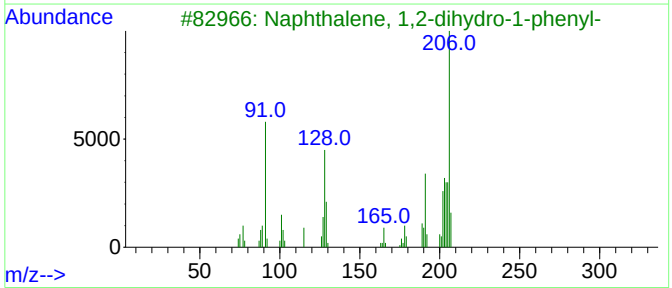


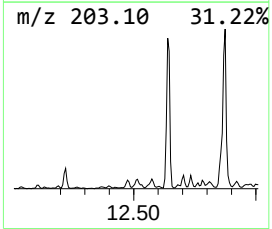












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Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

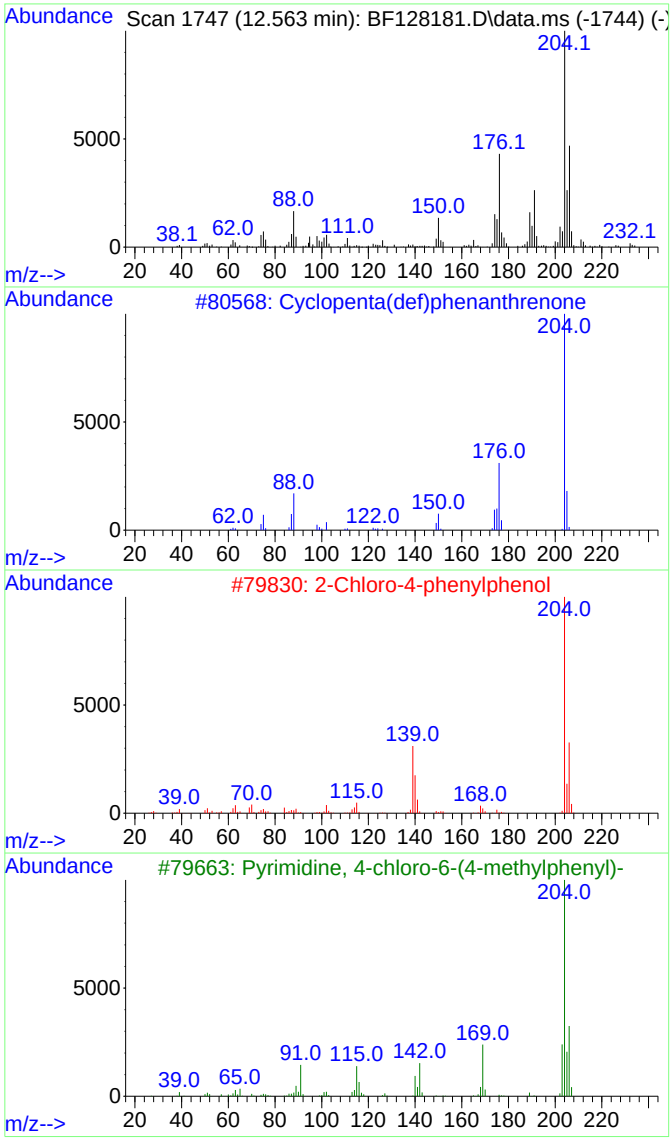
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

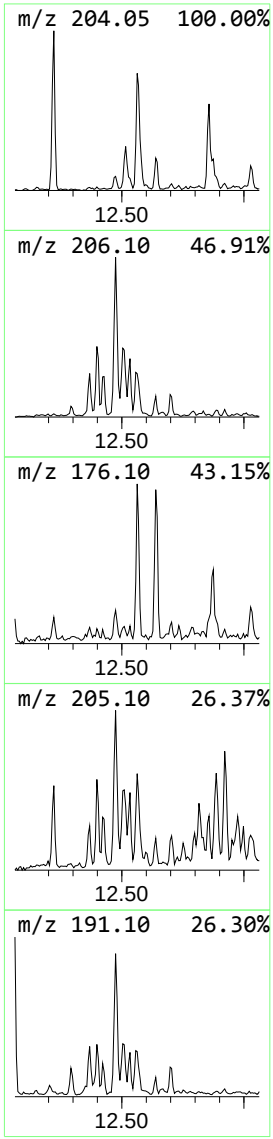
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	5.64 ng	166958	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
3	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	38
4	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	37
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	37





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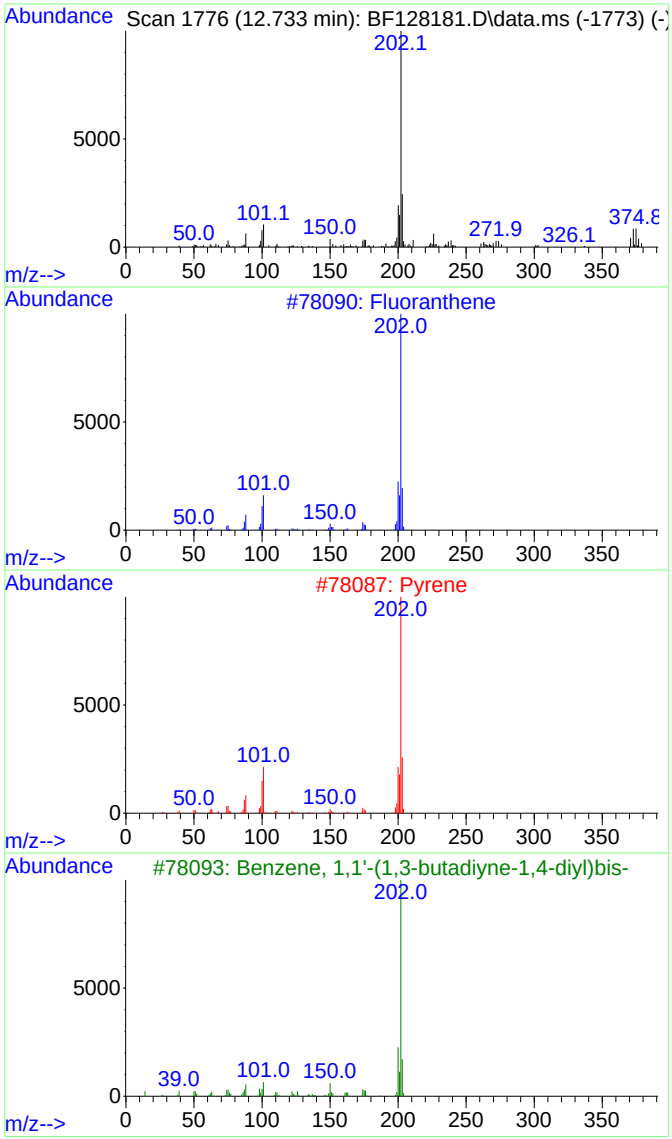
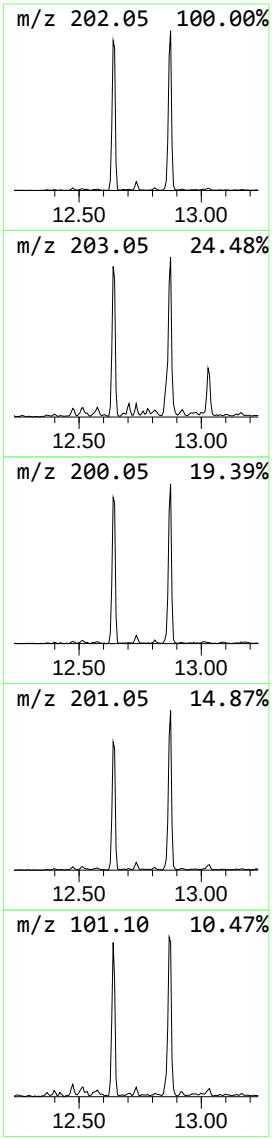
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	3.62 ng	107072	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	86
2	Pyrene	202	C16H10	000129-00-0	70
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	58
4	Pyridazine-3,6(1H,2H)-dione, 1-(...	202	C11H10N2O2	034019-60-8	53
5	Anthracene, 9-(2-nitroethenyl)-	249	C16H11NO2	058349-77-2	50





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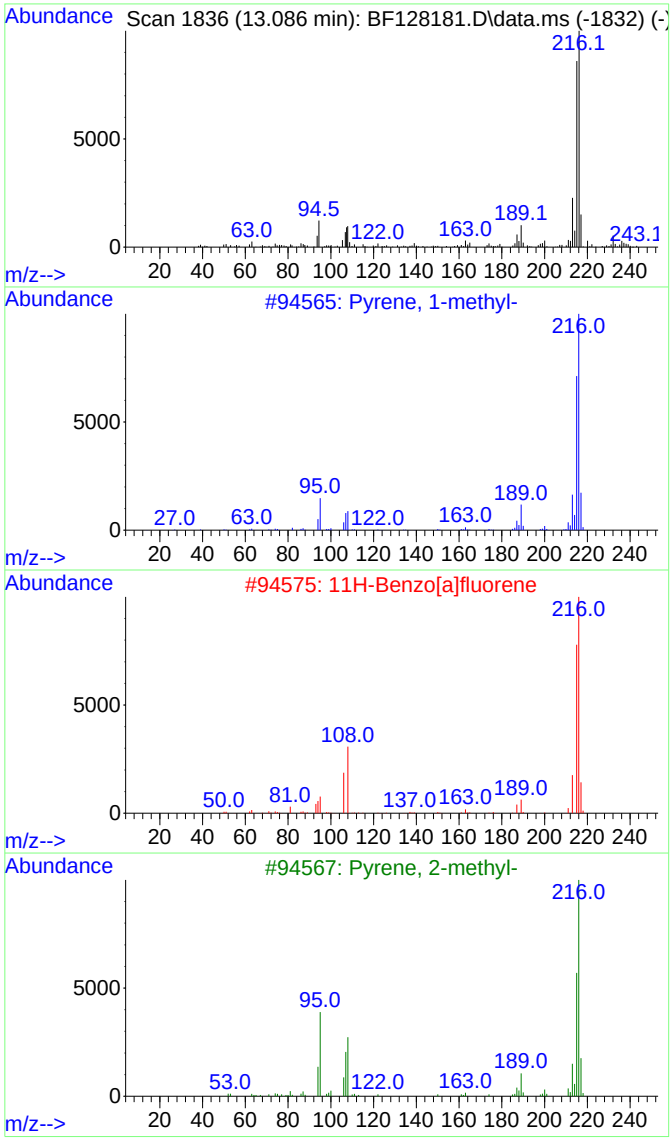
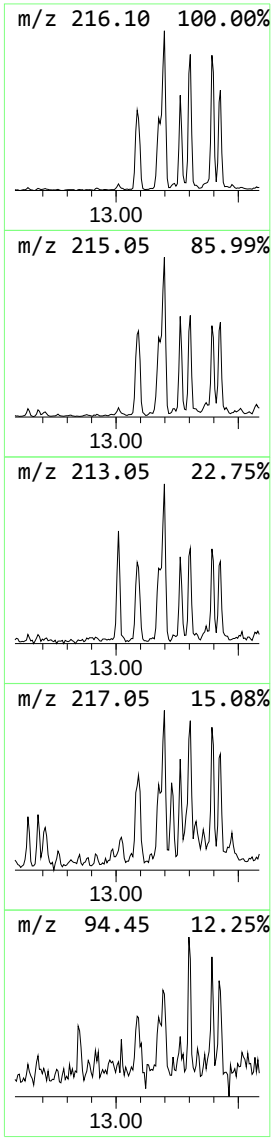
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	3.57 ng	177495	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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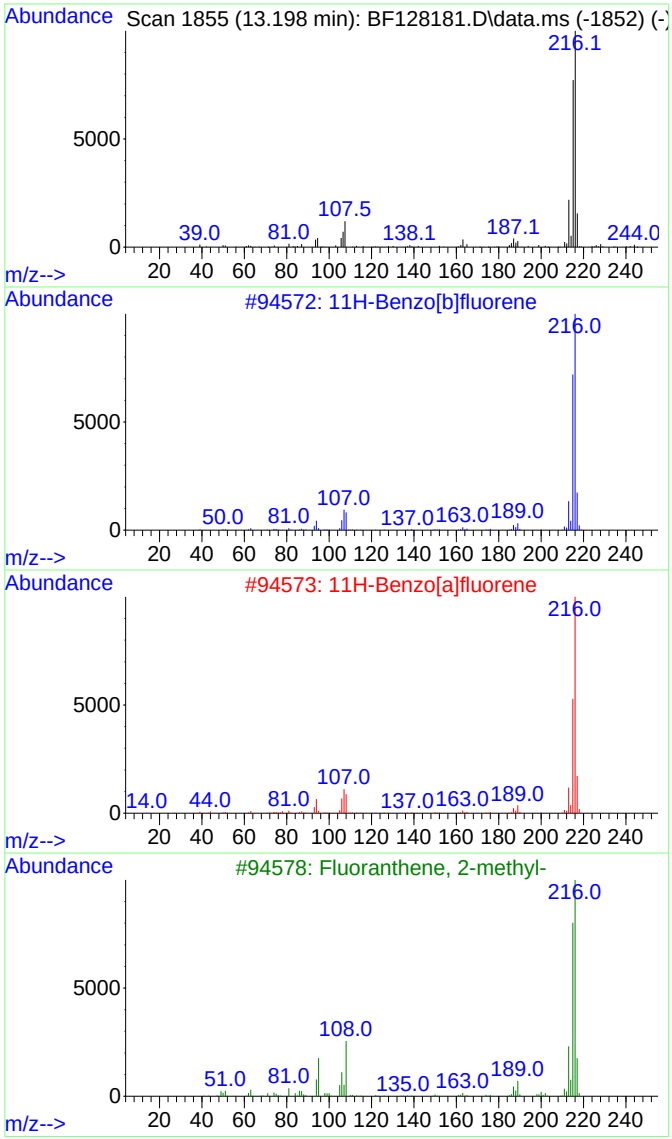
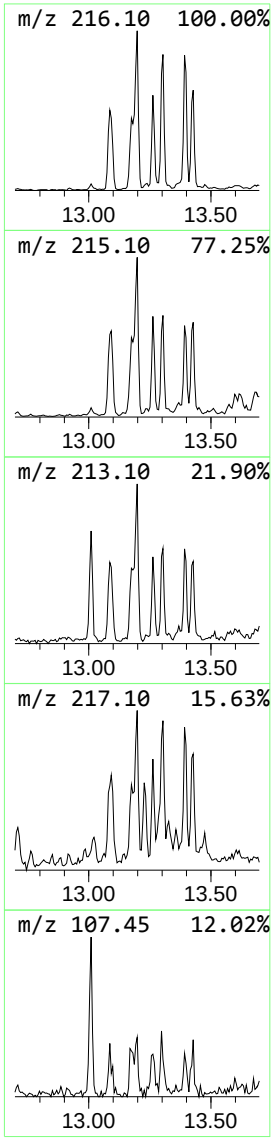
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	3.38 ng	168140	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	64





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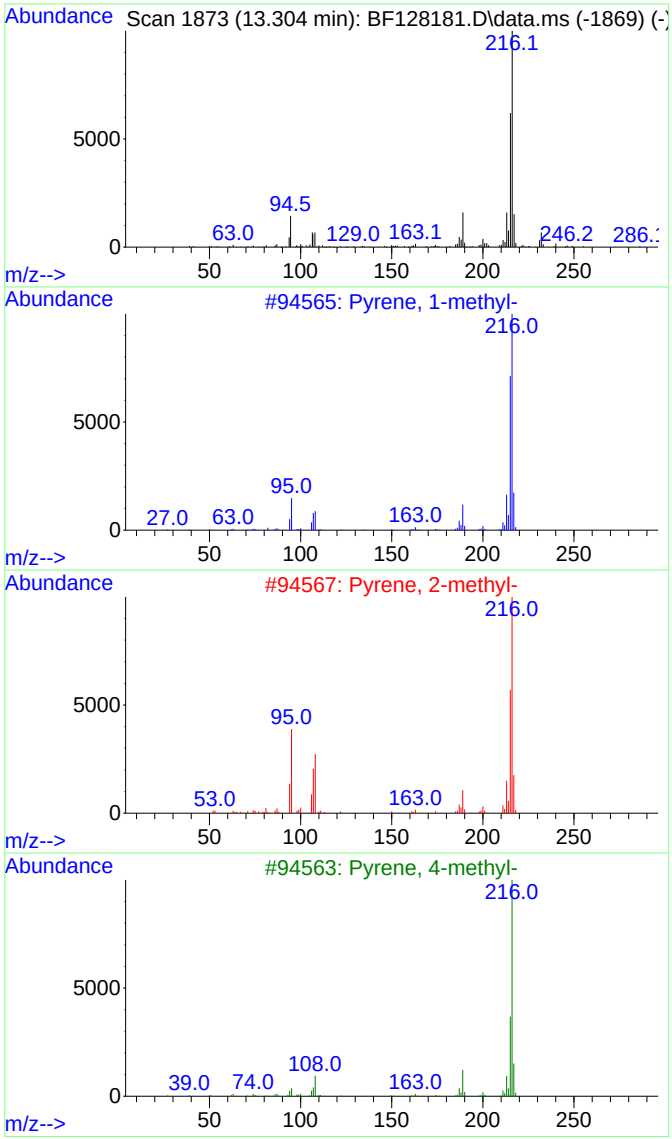
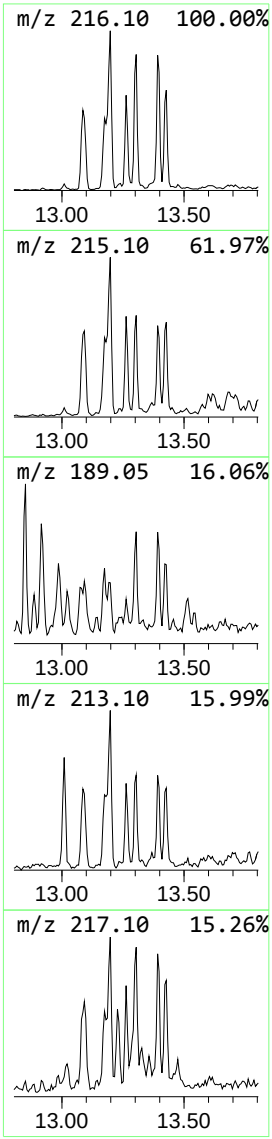
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.304	2.96 ng	147211	Chrysene-d12	14.068

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	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 11 May 2022 01:16
Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

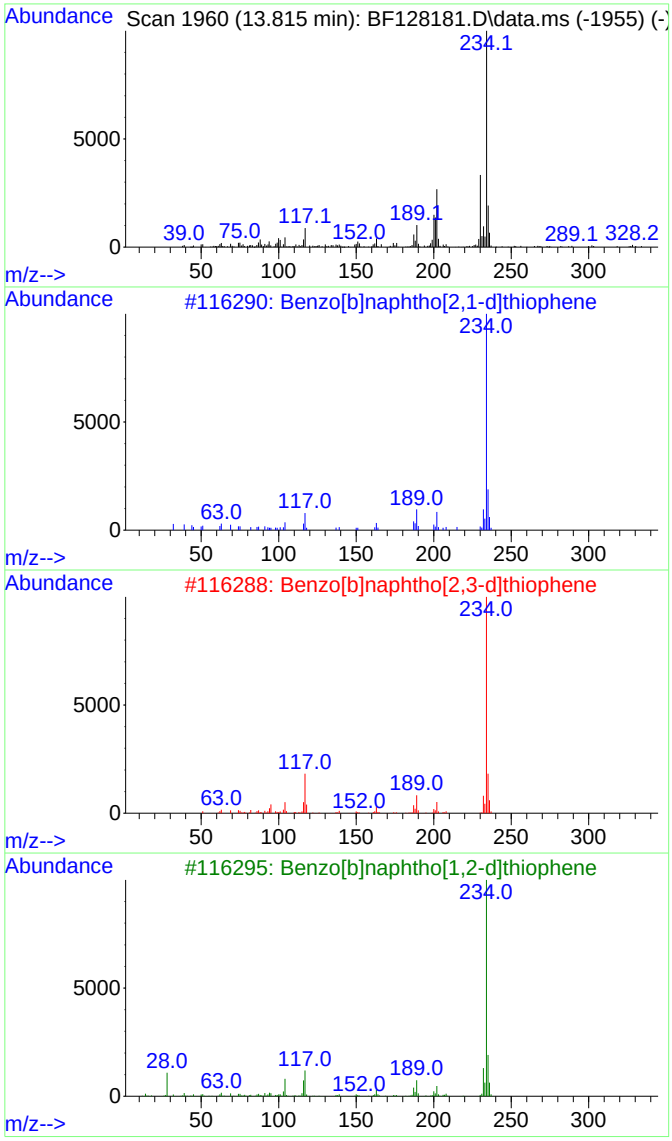
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

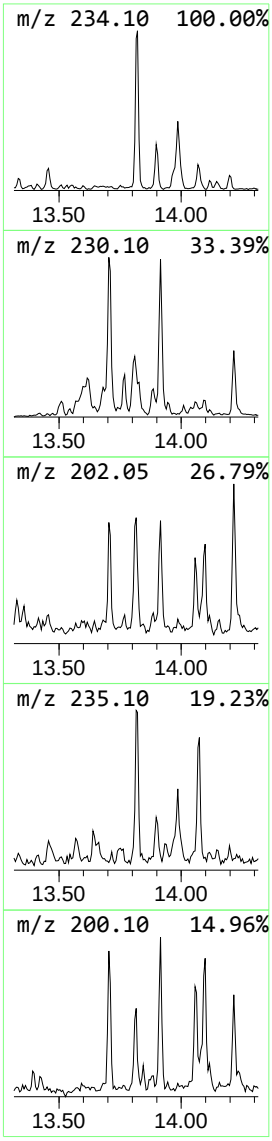
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	3.65 ng	181545	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	49
5	4-Pyridinamine, N-(1-naphthaleny...	234	C16H14N2	1000317-32-0	47





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Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VNJ-221

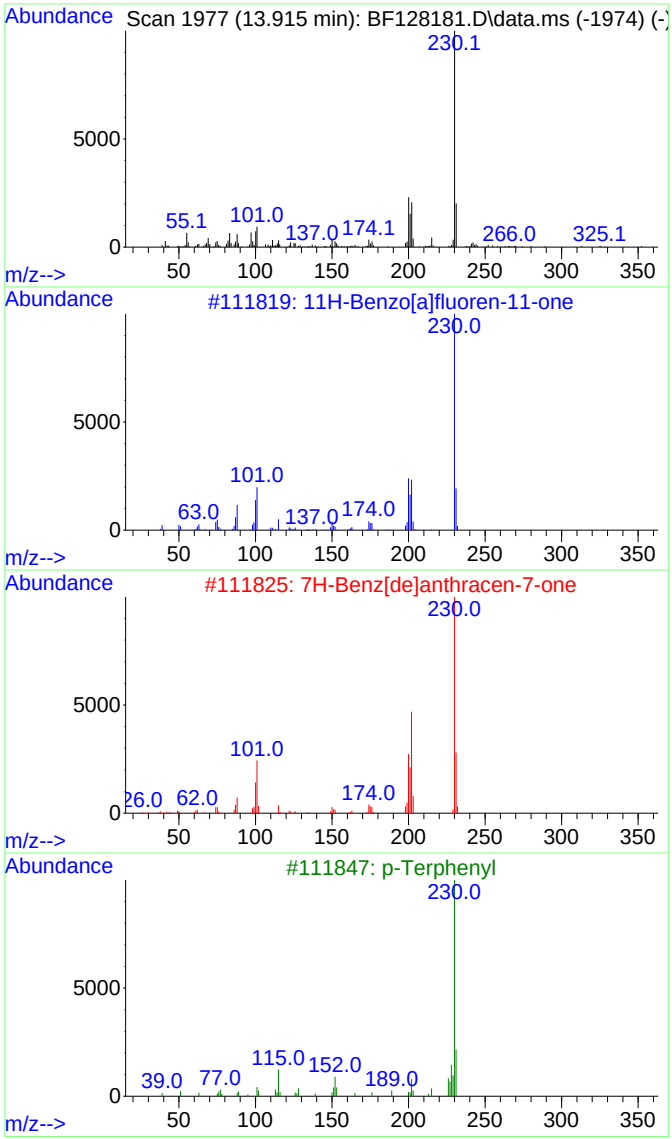
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

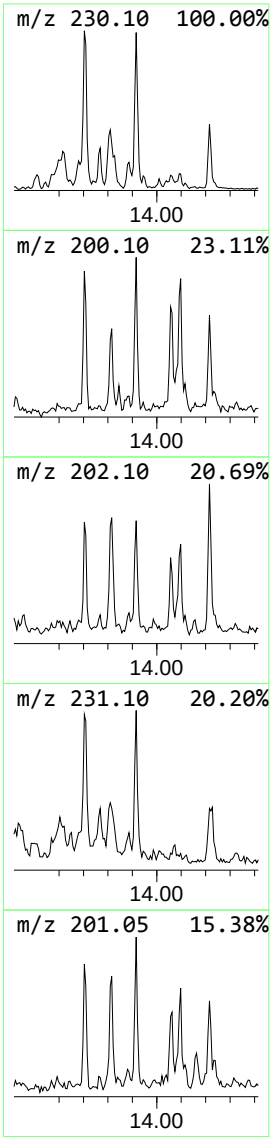
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.915	3.05 ng	151760	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	p-Terphenyl	230	C18H14	000092-94-4	52
4	m-Terphenyl	230	C18H14	000092-06-8	52
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	50





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Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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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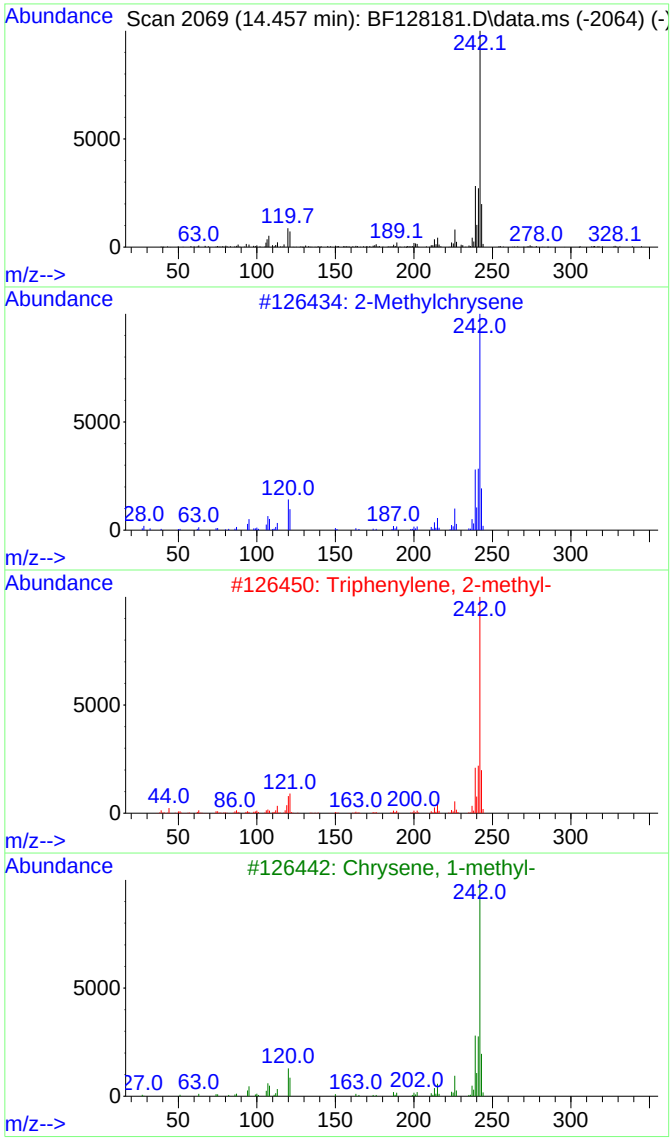
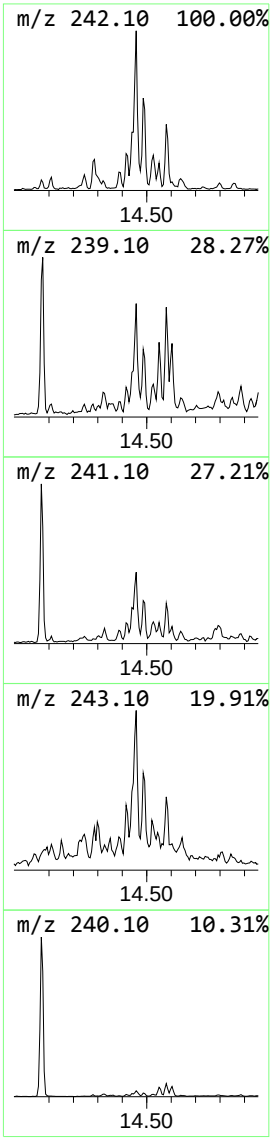
Peak Number 18 2-Methylchrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	3.16 ng	157043	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	97
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
4	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.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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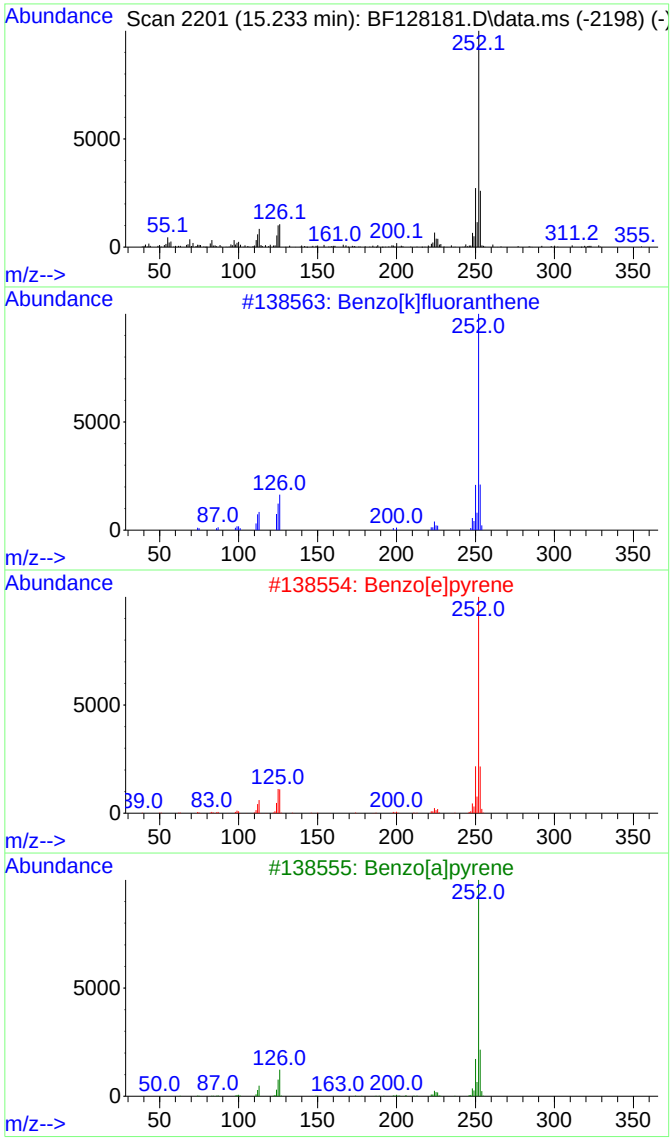
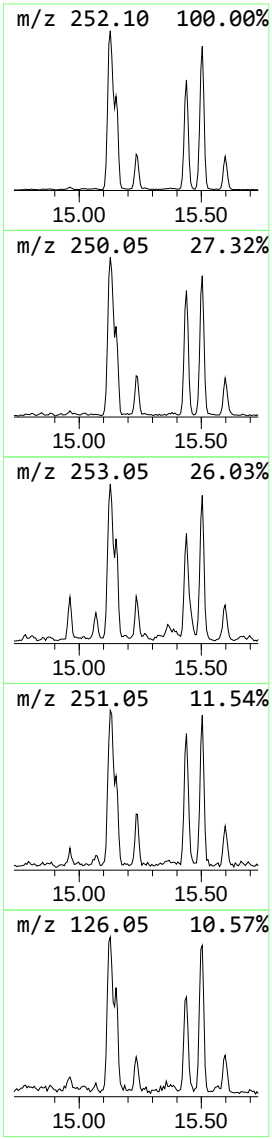
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	5.00 ng	106947	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





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Operator : CG\JU
Sample : N2755-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

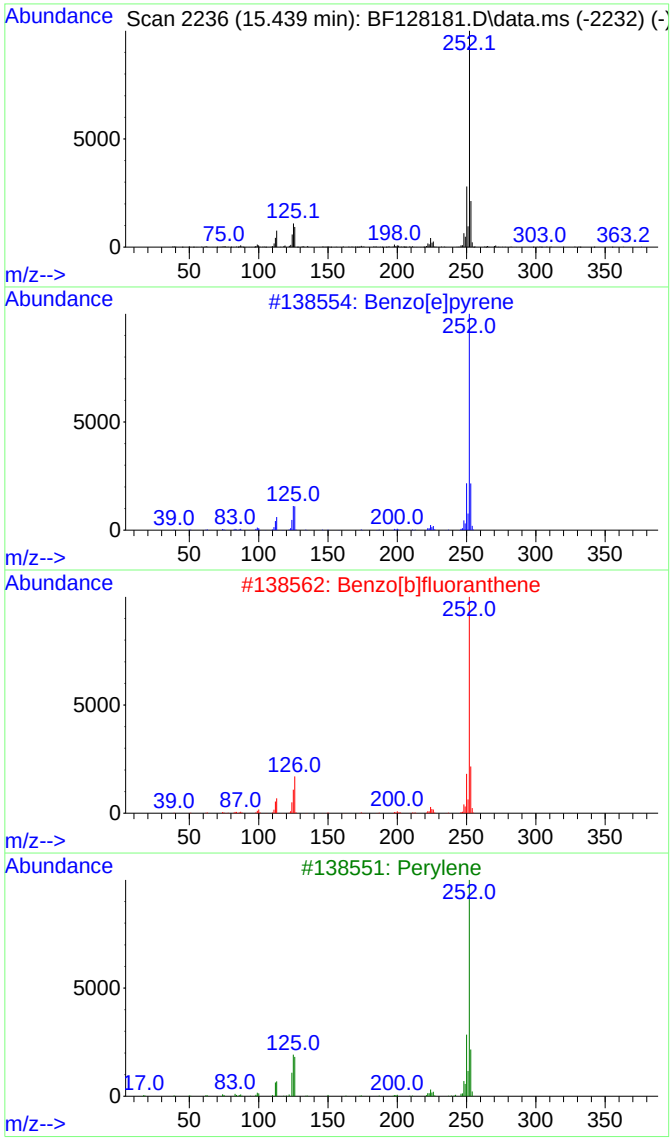
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

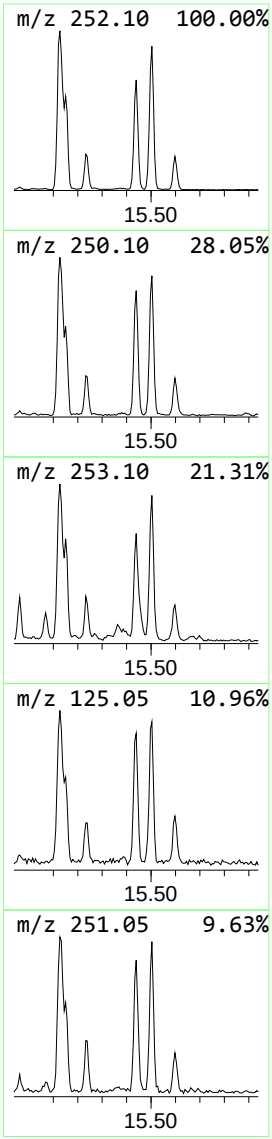
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.439	14.20 ng	303553	Perylene-d12	15.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

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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,...	10.839	2.9	ng	86540	4	11.422	591887	20.0
Anthracene, 2-m...	11.922	8.5	ng	250315	4	11.422	591887	20.0
Phenanthrene, 2...	11.951	8.1	ng	239082	4	11.422	591887	20.0
Naphtho[2,3-b]n...	12.033	11.1	ng	327209	4	11.422	591887	20.0
Phenanthrene, 4...	12.057	4.6	ng	135888	4	11.422	591887	20.0
1,6-Methano-1H-...	12.151	8.5	ng	251614	4	11.422	591887	20.0
Naphthalene, 2-...	12.221	4.2	ng	124273	4	11.422	591887	20.0
9,10-Anthracene...	12.251	5.6	ng	166759	4	11.422	591887	20.0
Phenanthrene, 2...	12.474	7.6	ng	223617	4	11.422	591887	20.0
Phenanthrene, 3...	12.510	5.5	ng	161188	4	11.422	591887	20.0
Cyclopenta(def)...	12.563	5.6	ng	166958	4	11.422	591887	20.0
Benzene, 1,1'-(...	12.733	3.6	ng	107072	4	11.422	591887	20.0
Pyrene, 1-methyl-	13.086	3.6	ng	177495	5	14.068	995185	20.0
11H-Benzo[b]flu...	13.198	3.4	ng	168140	5	14.068	995185	20.0
Pyrene, 2-methyl-	13.304	3.0	ng	147211	5	14.068	995185	20.0
Benzo[b]naphtho...	13.816	3.6	ng	181545	5	14.068	995185	20.0
11H-Benzo[a]flu...	13.915	3.0	ng	151760	5	14.068	995185	20.0
2-Methylchrysene	14.457	3.2	ng	157043	5	14.068	995185	20.0
Benzo[e]pyrene	15.233	5.0	ng	106947	6	15.568	427561	20.0
Perylene	15.439	14.2	ng	303553	6	15.568	427561	20.0