LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 18-B4(4-6)

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_P\Methods\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005674.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.117	3	5	10	rVB	490142	565250	1.87%	0.211%
2	4.475	231	236	244	rBV	700800	924696	3.06%	0.345%
3	5.087	334	340	352	rBV	2176581	3007877	9.94%	1.123%
4	7.152	683	691	698	rBV	658772	1076786	3.56%	0.402%
5	7.993	826	834	840	rBV	1418531	2195094	7.25%	0.819%
6	9.152	1025	1031	1039	rBV	505106	811933	2.68%	0.303%
7	10.799	1301	1311	1315	rBV	1686431	2965063	9.80%	1.107%
8	10.851	1315	1320	1327	rVB	1561784	2672443	8.83%	0.997%
9	12.451	1583	1592	1600	rVB	947305	1524642	5.04%	0.569%
10	12.669	1619	1629	1640	rBV	643003	1028041	3.40%	0.384%
11	13.240	1718	1726	1733	rBV	1470070	2090180	6.91%	0.780%
12	13.451	1756	1762	1769	rVB2	485931	744323	2.46%	0.278%
13	13.651	1791	1796	1805	rVB	316968	559469	1.85%	0.209%
14	13.781	1811	1818	1819	rBV	330987	485319	1.60%	0.181%
15	13.940	1838	1845	1850	rBV	577622	1021235	3.38%	0.381%
16	13.992	1850	1854	1860	rVB	411502	598296	1.98%	0.223%
17	14.169	1880	1884	1888	rBV	238503	330867	1.09%	0.123%
18	14.340	1908	1913	1923	rVB	211747	341529	1.13%	0.127%
19	14.510	1938	1942	1949	rBV	232147	307396	1.02%	0.115%
20	14.616	1950	1960	1965	rBV	2185043	3733616	12.34%	1.393%
21	14.675	1965	1970	1978	rVB	3332466	5068136	16.75%	1.892%
22	14.822	1988	1995	2003	rVB2	187501	478857	1.58%	0.179%
23	14.922	2004	2012	2016	rBV2	360731	625728	2.07%	0.234%
24	15.010	2021	2027	2033	rVB	2276620	3319981	10.97%	1.239%
25	15.087	2034	2040	2044	rBV	236673	337576	1.12%	0.126%
26	15.228	2059	2064	2068	rBV	196800	309070	1.02%	0.115%
27	15.398	2086	2093	2096	rBV	205787	407325	1.35%	0.152%
28	15.457	2100	2103	2108	rVB	247299	316612	1.05%	0.118%
29	15.657	2130	2137	2148	rBV	3276498	4959083	16.39%	1.851%
30	15.751	2148	2153	2155	rVV2	336020	512565	1.69%	0.191%
31	15.781	2155	2158	2161	rVV	522383	756247	2.50%	0.282%
32	15.822	2161	2165	2169	rVV2	678125	1087118	3.59%	0.406%
33	15.869	2169	2173	2176	rVV	374649	589011	1.95%	0.220%
34	15.904	2176	2179	2183	rVV2	389505	636637	2.10%	0.238%
35	15.951	2183	2187	2195	rVB	683130	1105208	3.65%	0.412%
36	16.098	2207	2212	2219	rVB	660592	1335453	4.41%	0.498%

LSC Area Percent Report

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Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 18-B4(4-6)

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_P\Methods\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.322	2246	2250	2252	rBV2	264264	385137	1.27%	0.144%
38	16.451	2265	2272	2279	rBV5	181527	402779	1.33%	0.150%
39	16.663	2296	2308	2312	rBV3	602639	1526358	5.04%	0.570%
40	16.710	2312	2316	2322	rVV2	335933	540115	1.79%	0.202%
41	16.810	2330	2333	2338	rVB	338121	461863	1.53%	0.172%
42	16.934	2350	2354	2357	rVB2	256222	346350	1.14%	0.129%
43	17.010	2363	2367	2374	rVB	636887	936926	3.10%	0.350%
44	17.110	2376	2384	2389	rVV2	1075832	1974547	6.53%	0.737%
45	17.175	2390	2395	2404	rVB	1526101	2381543	7.87%	0.889%
46	17.363	2421	2427	2429	rBV	2127953	3344245	11.05%	1.248%
47	17.410	2429	2435	2440	rVV	17883850	30256577	100.00%	11.293%
48	17.492	2444	2449	2454	rVV	5647336	7748114	25.61%	2.892%
49	17.551	2454	2459	2464	rVB3	378603	630990	2.09%	0.236%
50	17.757	2487	2494	2499	rBV	1600278	2350665	7.77%	0.877%
51	17.875	2511	2514	2520	rVB2	436265	560888	1.85%	0.209%
52	17.933	2520	2524	2528	rBV	379334	520644	1.72%	0.194%
53	18.075	2543	2548	2555	rBV	267732	473328	1.56%	0.177%
54	18.222	2568	2573	2577	rBV	2478078	3367219	11.13%	1.257%
55	18.269	2577	2581	2587	rVB	3110116	4320011	14.28%	1.612%
56	18.345	2588	2594	2599	rBV	1190953	1807826	5.97%	0.675%
57	18.410	2599	2605	2609	rBV3	3543581	6286317	20.78%	2.346%
58	18.445	2609	2611	2616	rVB	1558024	1578490	5.22%	0.589%
59	18.516	2619	2623	2626	rVV2	457907	623109	2.06%	0.233%
60	18.551	2626	2629	2633	rVB2	248328	315950	1.04%	0.118%
61	18.698	2650	2654	2658	rBV	1872017	2244920	7.42%	0.838%
62	18.739	2658	2661	2671	rVB2	553218	737406	2.44%	0.275%
63	18.816	2671	2674	2681	rVB	286679	345319	1.14%	0.129%
64	18.933	2691	2694	2698	rBV	546835	656363	2.17%	0.245%
65	18.986	2700	2703	2706	rVV	340703	413280	1.37%	0.154%
66	19.022	2706	2709	2712	rVB	370553	451388	1.49%	0.168%
67	19.104	2718	2723	2725	rBV	905484	1508014	4.98%	0.563%
68	19.163	2730	2733	2736	rVB3	377736	521910	1.72%	0.195%
69	19.239	2742	2746	2753	rBV2	608721	1153356	3.81%	0.430%
70	19.363	2761	2767	2772	rBV	15561883	23055152	76.20%	8.605%
71	19.416	2773	2776	2779	rVV	267722	326489	1.08%	0.122%
72	19.451	2779	2782	2786	rVV	434568	511397	1.69%	0.191%
73	19.592	2803	2806	2810	rVB	567548	647596	2.14%	0.242%
74	19.686	2816	2822	2823	rBV3	4334648	6174185	20.41%	2.304%
75	19.716	2823	2827	2834	rVV	15202703	22403765	74.05%	8.362%
76	19.775	2834	2837	2845	rVB4	754351	1220148	4.03%	0.455%

LSC Area Percent Report

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Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 18-B4(4-6)

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
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.898	2851	2858	2862	rBV2	2055811	3236133	10.70%	1.208%
78	19.939	2862	2865	2870	rVB	718907	913033	3.02%	0.341%
79	20.033	2874	2881	2885	rBV2	981554	2353393	7.78%	0.878%
80	20.157	2898	2902	2903	rBV3	479892	695678	2.30%	0.260%
81	20.192	2903	2908	2912	rVB2	3020020	4619273	15.27%	1.724%
82	20.286	2919	2924	2927	rBV	2268647	2969260	9.81%	1.108%
83	20.345	2928	2934	2937	rVV2	1407807	2309053	7.63%	0.862%
84	20.380	2937	2940	2944	rVB	759828	950866	3.14%	0.355%
85	20.480	2953	2957	2960	rBV	998787	1279735	4.23%	0.478%
86	20.522	2961	2964	2968	rVB	1098865	1344480	4.44%	0.502%
87	20.680	2987	2991	2996	rBV2	1288004	1654972	5.47%	0.618%
88	20.916	3028	3031	3036	rVB	738677	1064561	3.52%	0.397%
89	21.122	3062	3066	3070	rBV3	1521819	3030132	10.01%	1.131%
90	21.416	3111	3116	3121	rBV2	8318268	15133063	50.02%	5.648%
91	21.469	3121	3125	3135	rVB	6726930	9763497	32.27%	3.644%
92	21.592	3140	3146	3153	rVB2	1835811	3507359	11.59%	1.309%
93	23.127	3401	3407	3413	rBV	4423336	11679507	38.60%	4.359%
94	23.663	3494	3498	3507	rVB	3059689	6188177	20.45%	2.310%
95	23.774	3510	3517	3524	rVB	5321775	10901781	36.03%	4.069%

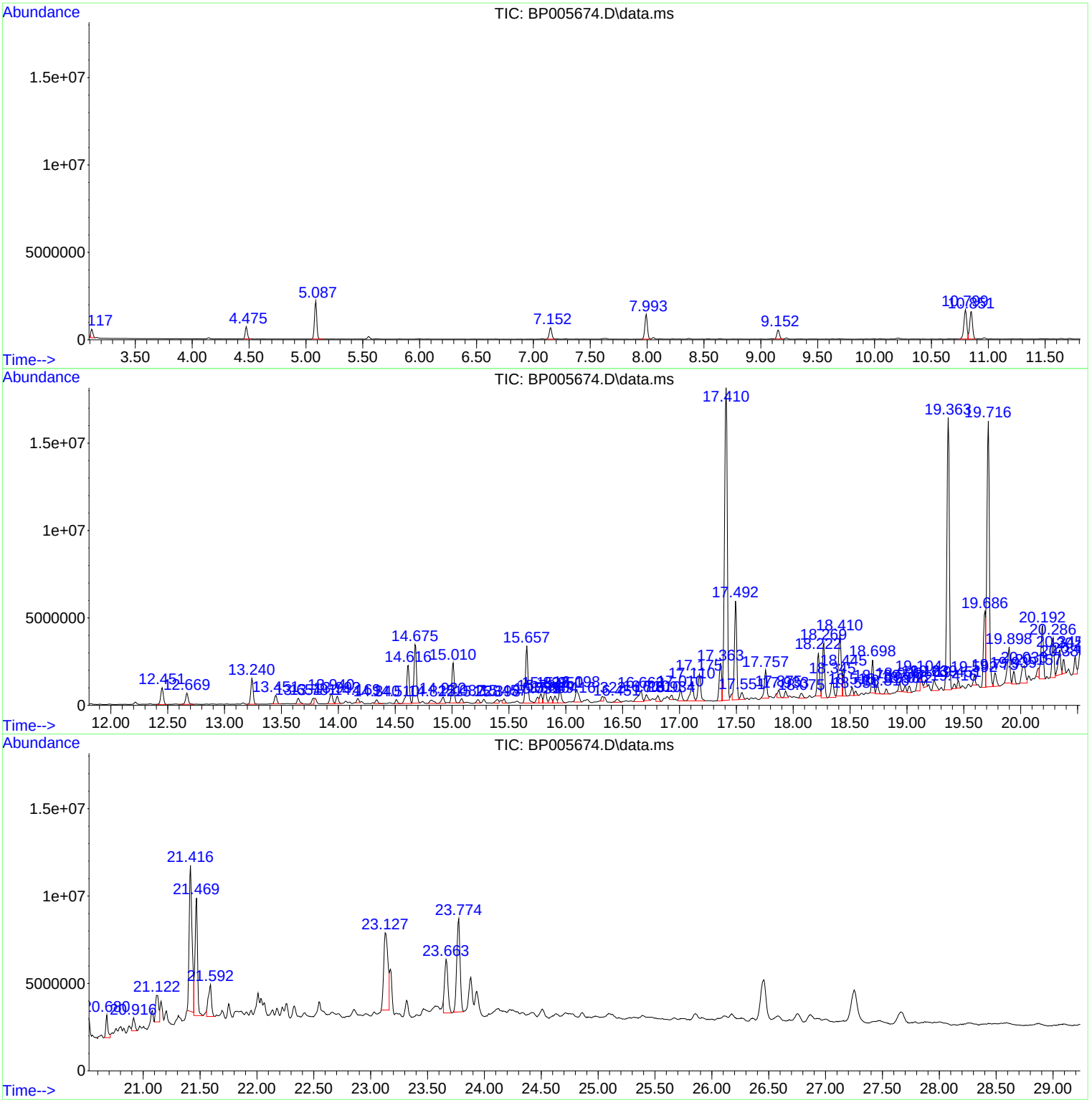
Sum of corrected areas: 267933294

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
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Acq On : 02 Jun 2021 20:04
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Instrument :
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ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
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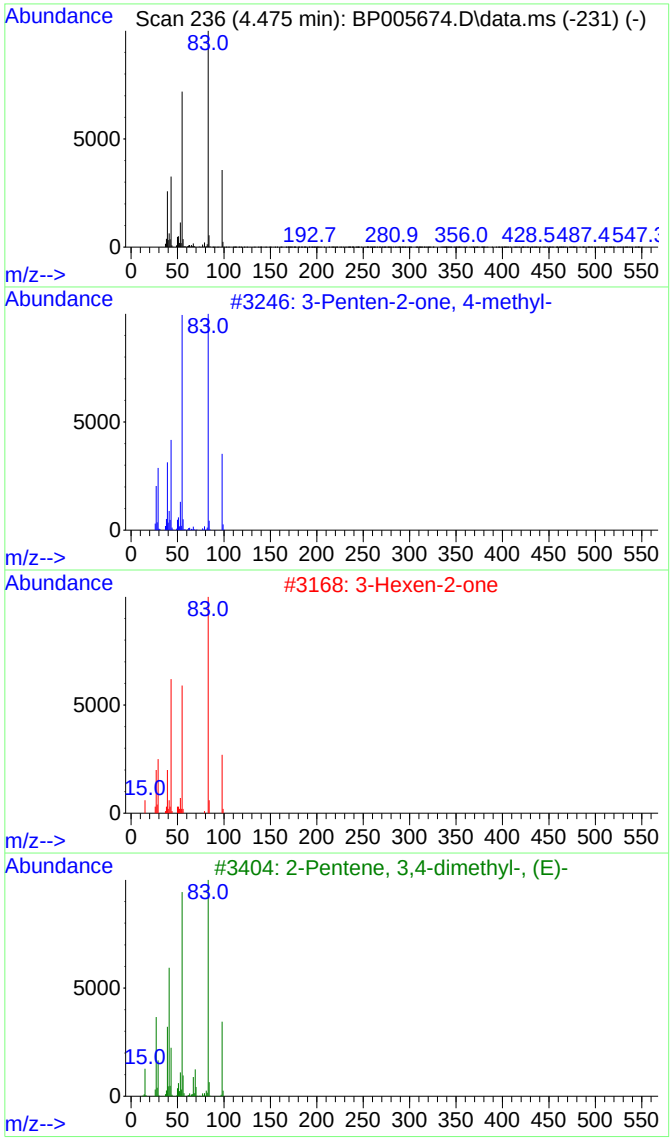
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

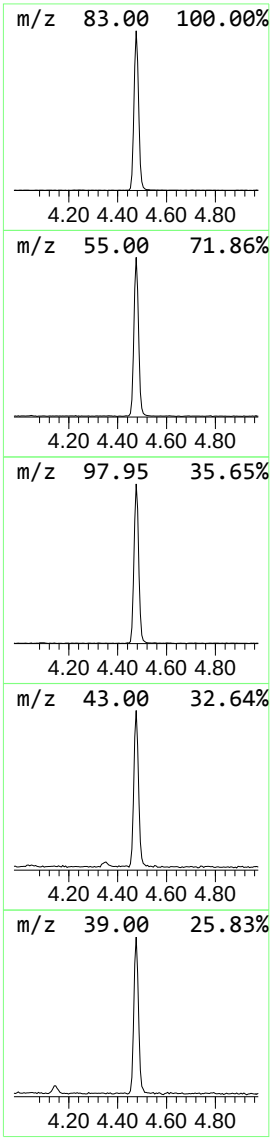
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.475	8.43 ng	924696	1,4-Dichlorobenzene-d4	7.993

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	86
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

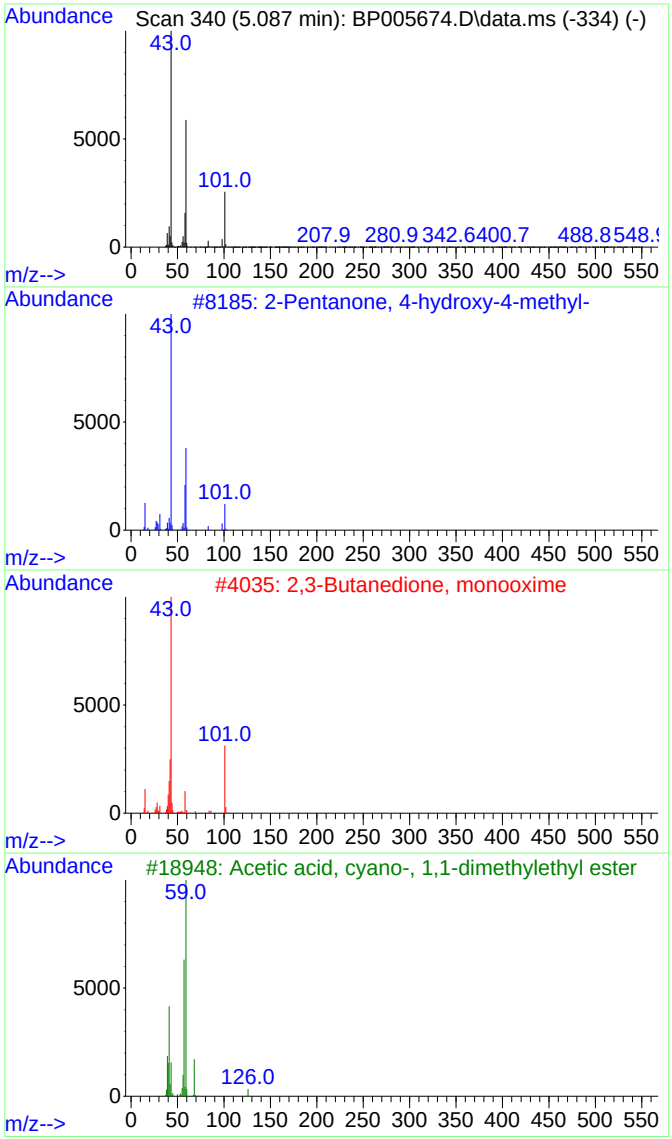
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

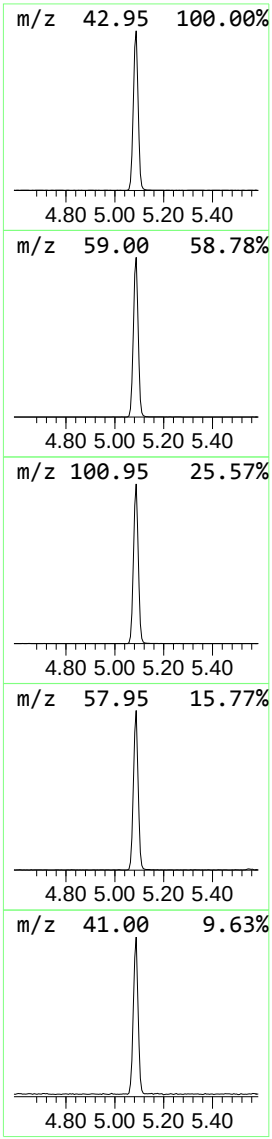
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	27.41 ng	3007880	1,4-Dichlorobenzene-d4	7.993

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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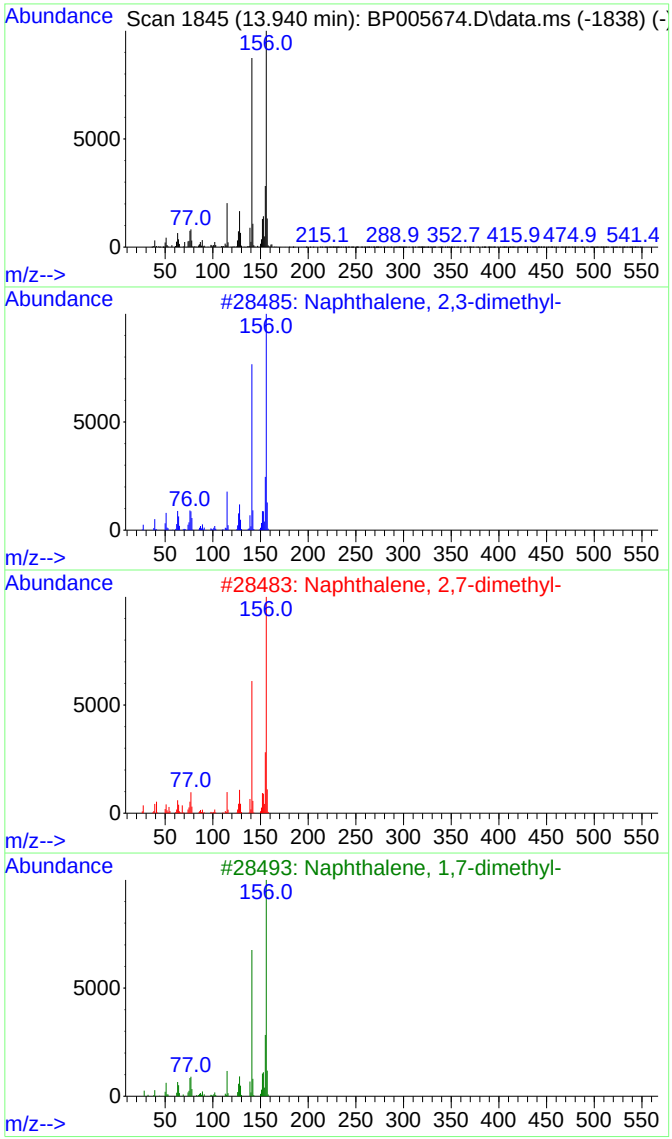
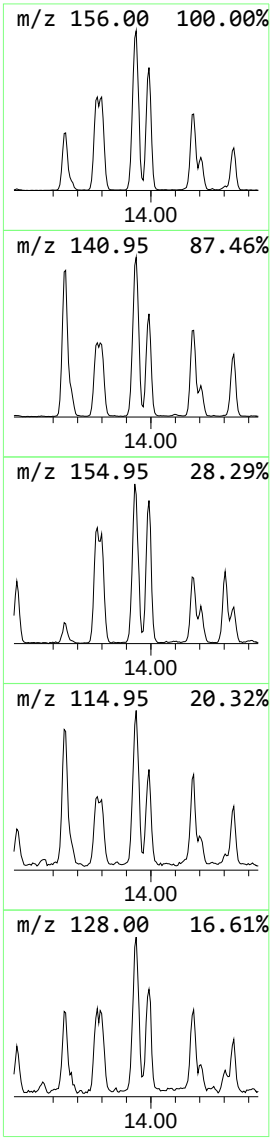
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.940	5.47 ng	1021240	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

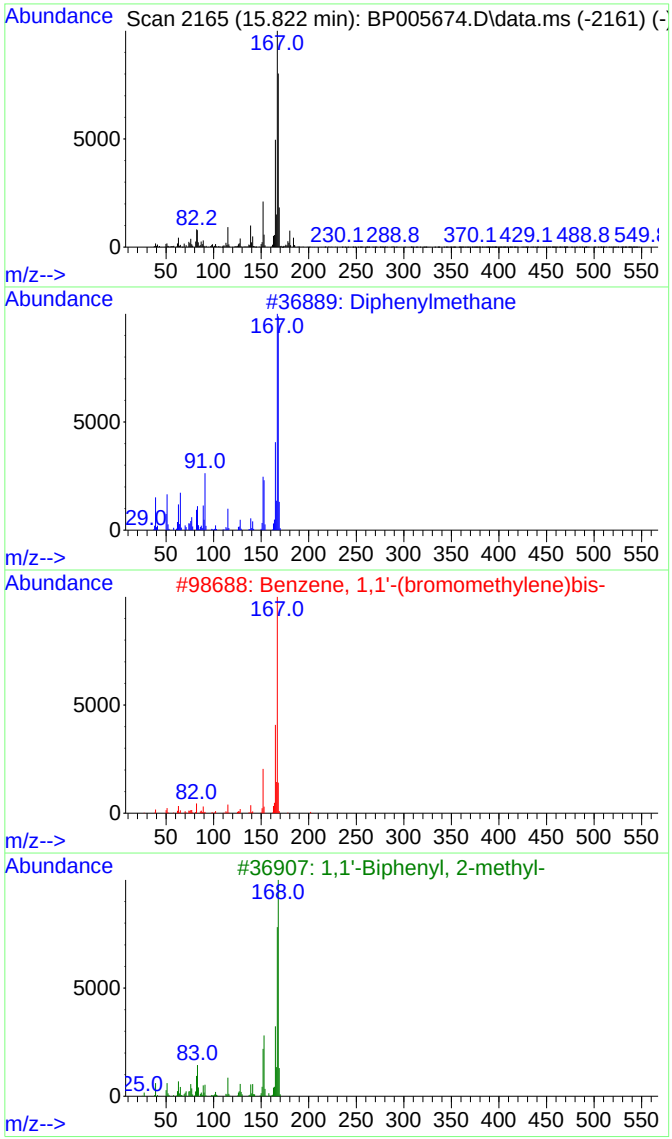
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

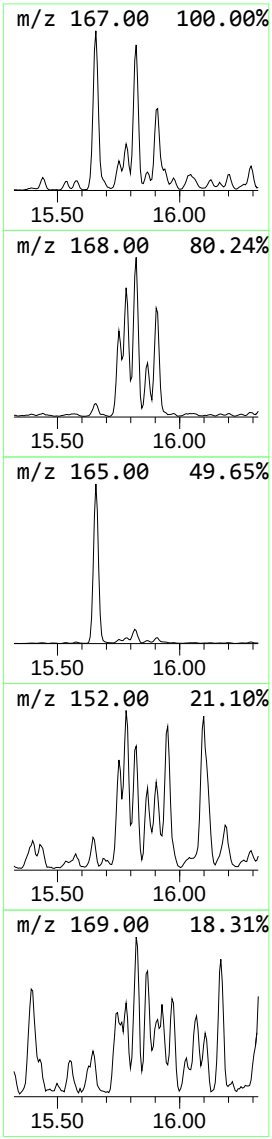
****

Peak Number 4 Diphenylmethane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.822	5.82 ng	1087120	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	72
2	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	52
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
4	Benzeneacetic acid, .alpha.-phenyl-	212	C14H12O2	000117-34-0	52
5	Benzeneacetamide, .alpha.-phenyl-	211	C14H13NO	004695-13-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

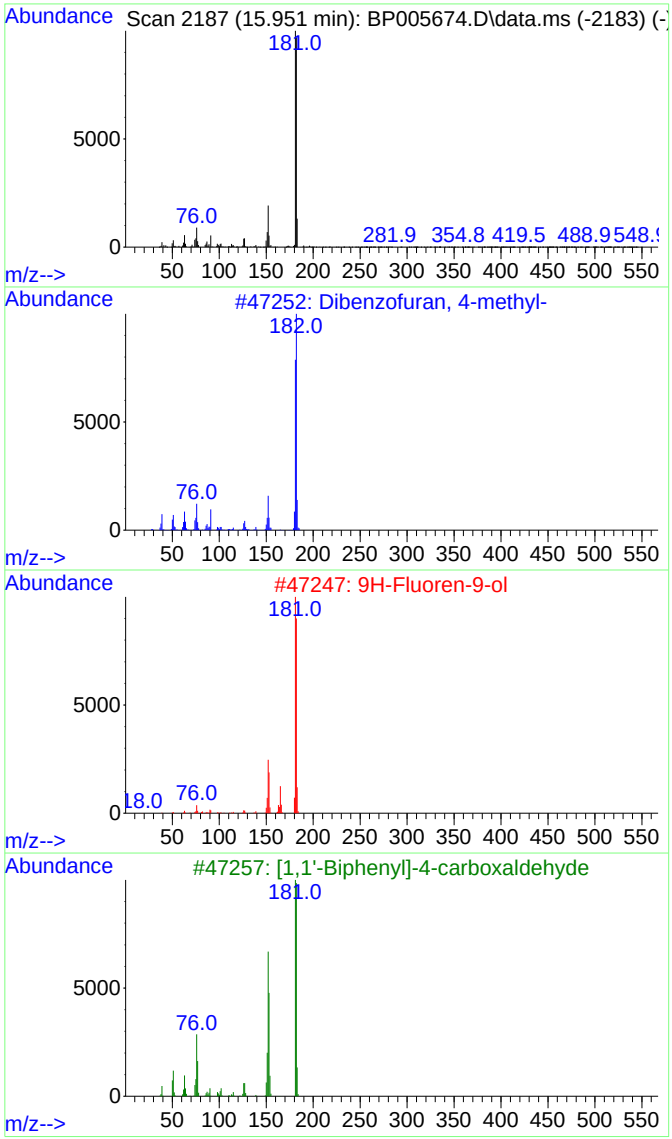
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

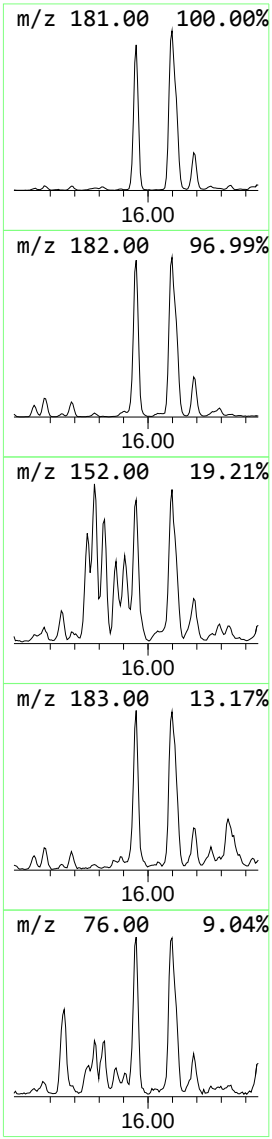
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.951	5.92 ng	1105210	Acenaphthene-d10	14.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 18-B4(4-6)

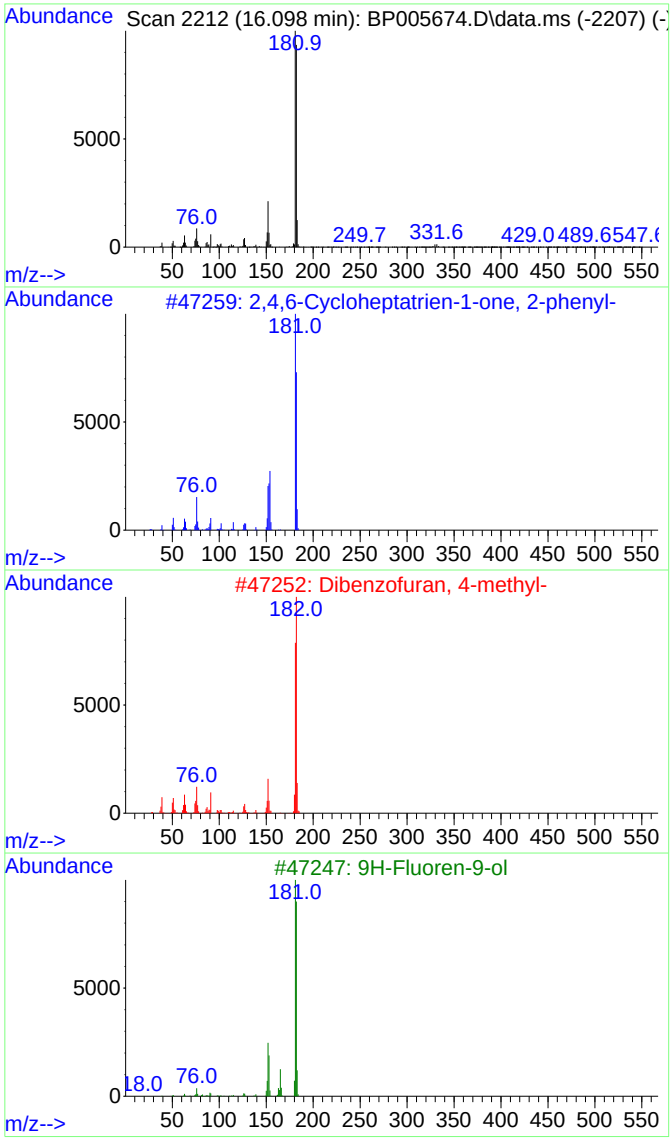
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

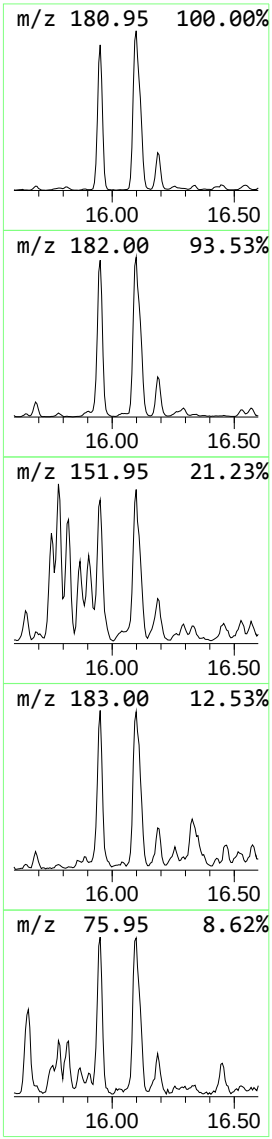
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.098	7.99 ng	1335450	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53





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Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
18-B4(4-6)

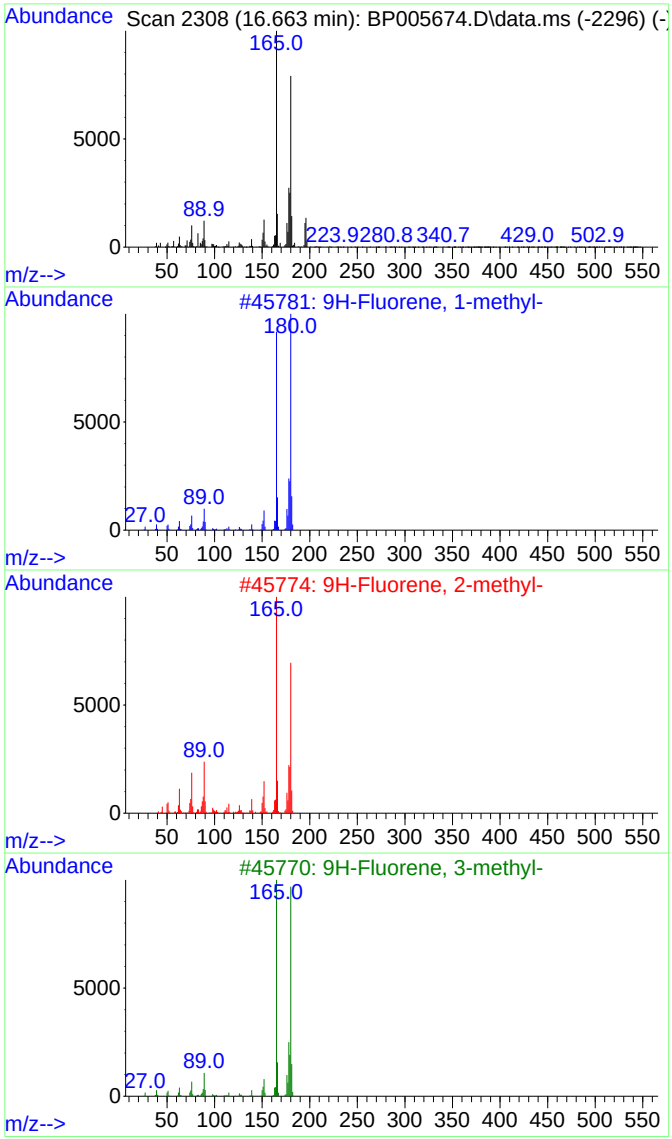
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

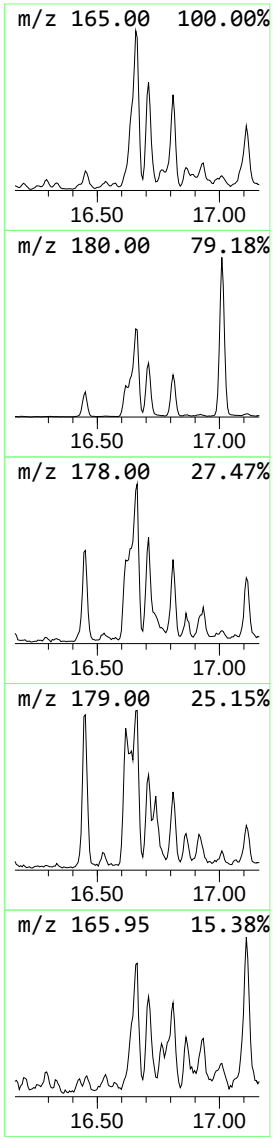
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.663	9.13 ng	1526360	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

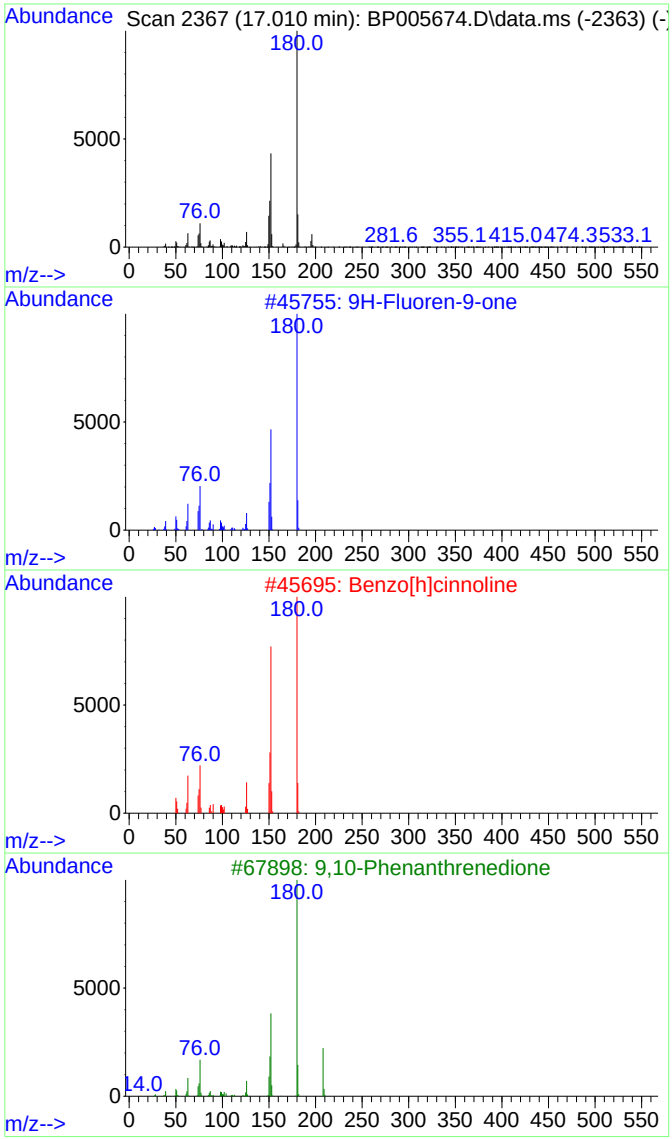
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

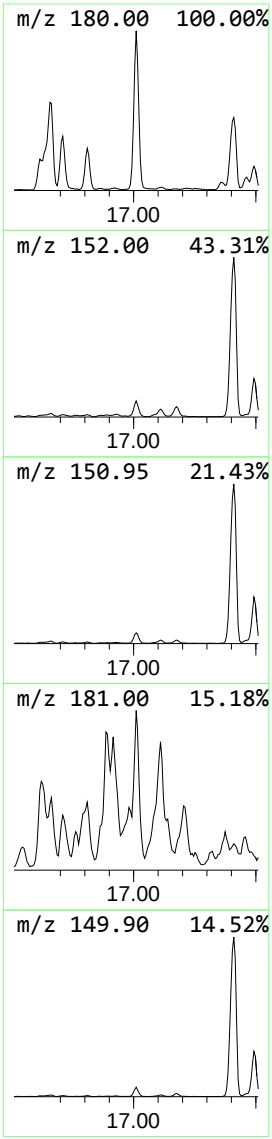
****

Peak Number 8 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	5.60 ng	936926	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	80
5	Diphenic anhydride	224	C14H8O3	006050-13-1	64





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Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

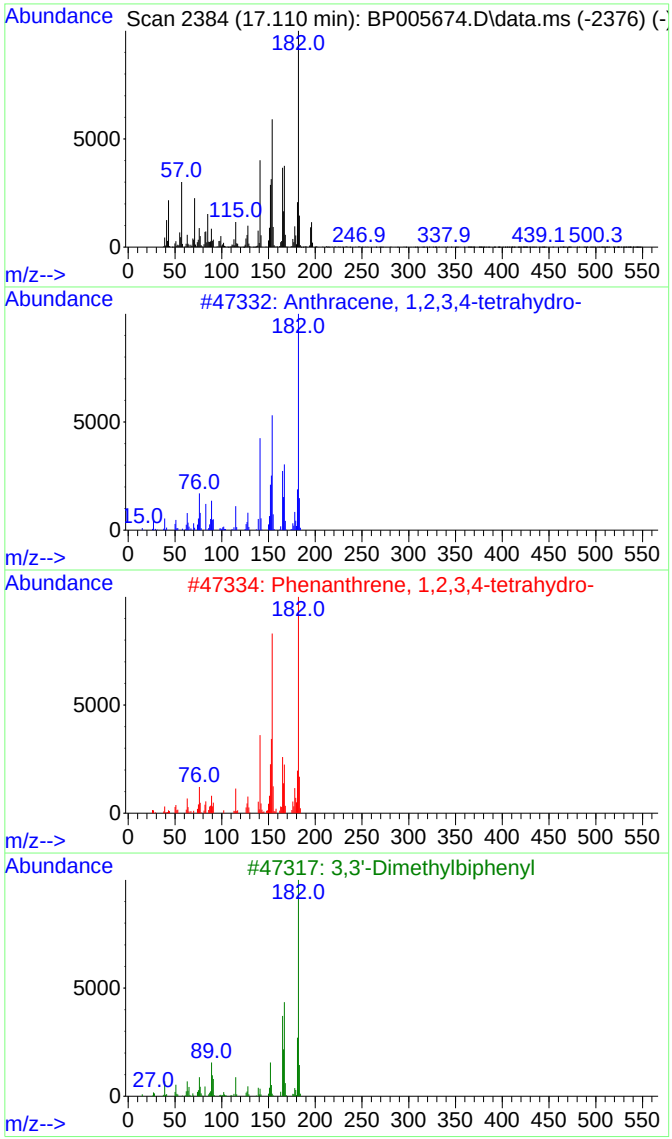
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

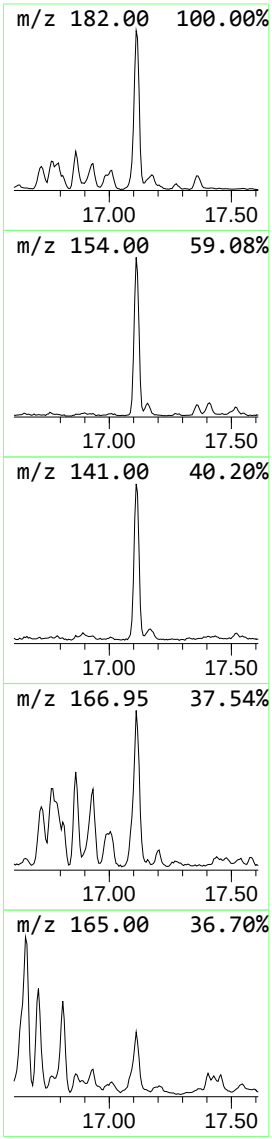
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.110	11.81 ng	1974550	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	76
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	55
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53





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Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

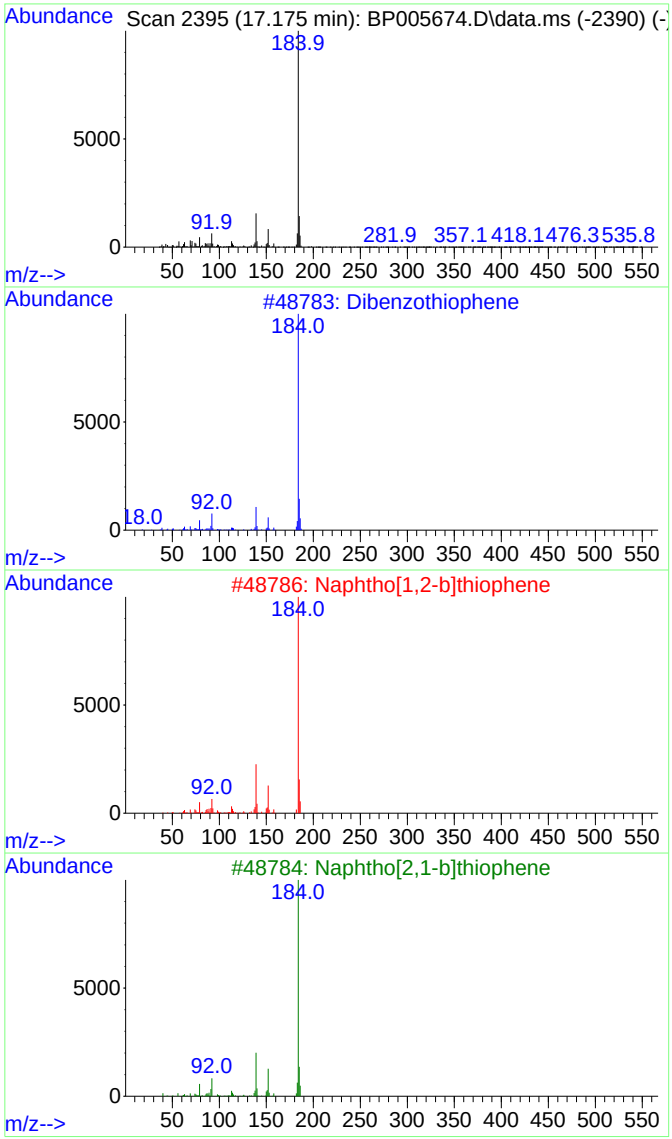
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

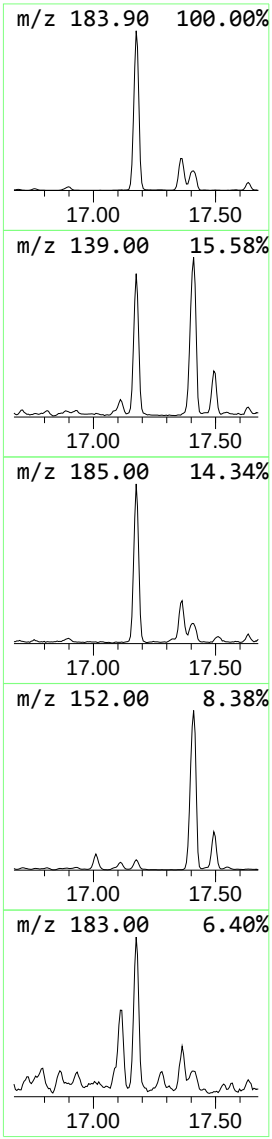
****

Peak Number 10 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.175	14.24 ng	2381540	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83





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Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

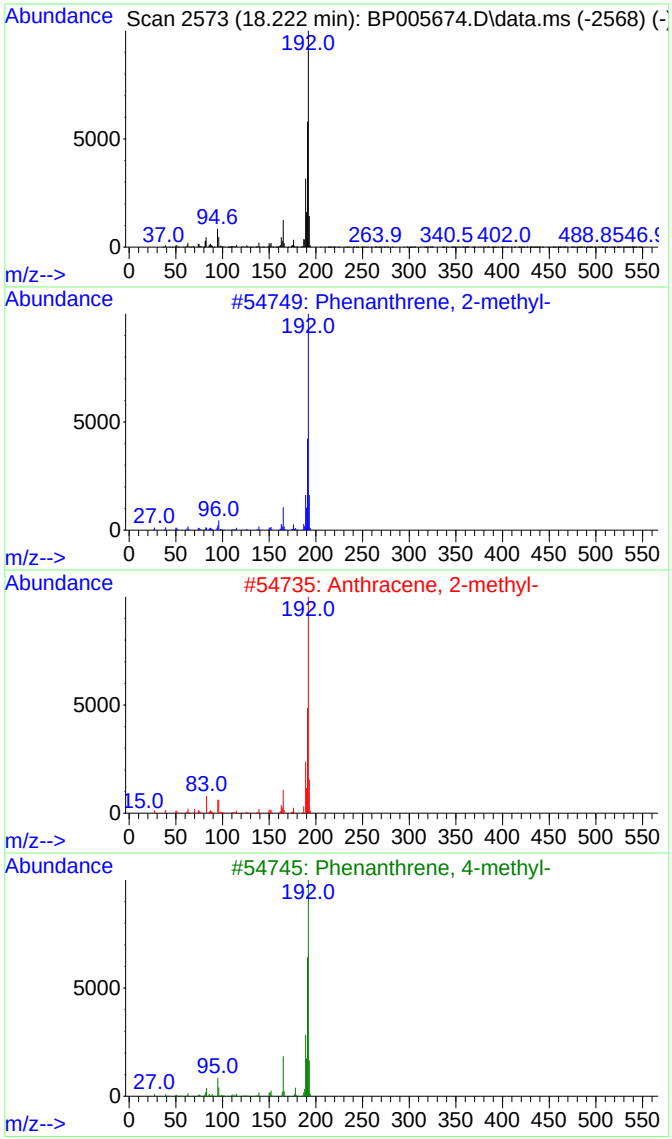
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

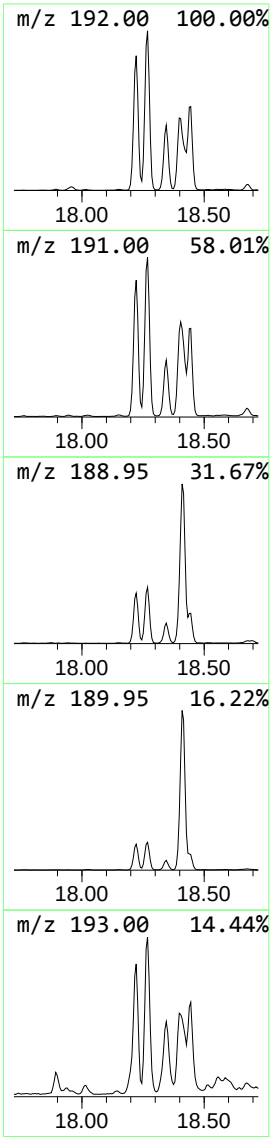
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.222	20.14 ng	3367220	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

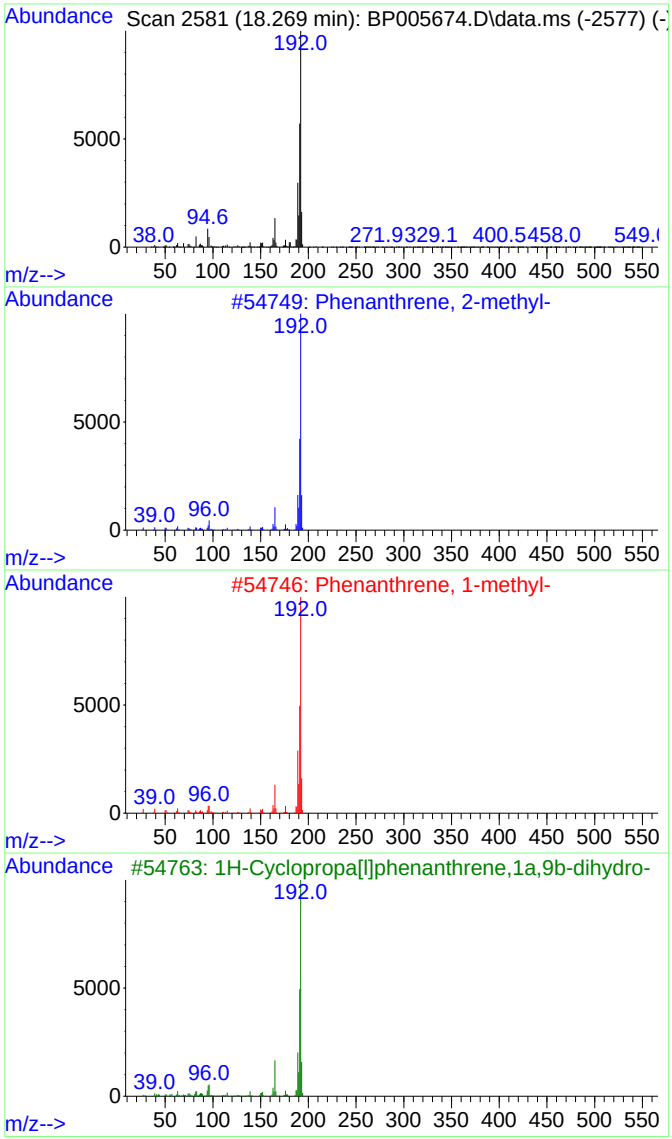
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

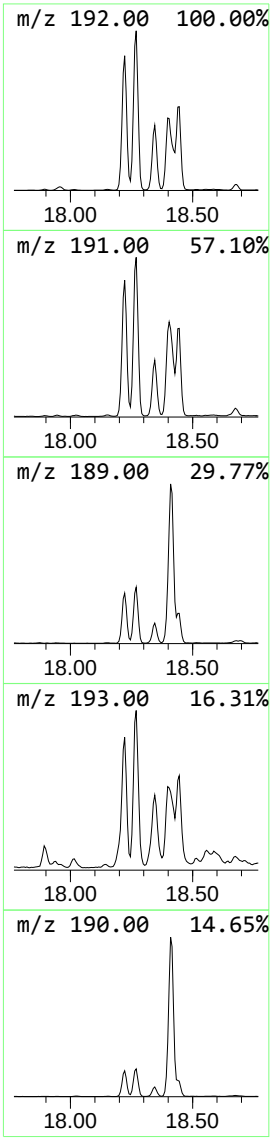
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.269	25.84 ng	4320010	Phenanthrene-d10	17.363

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

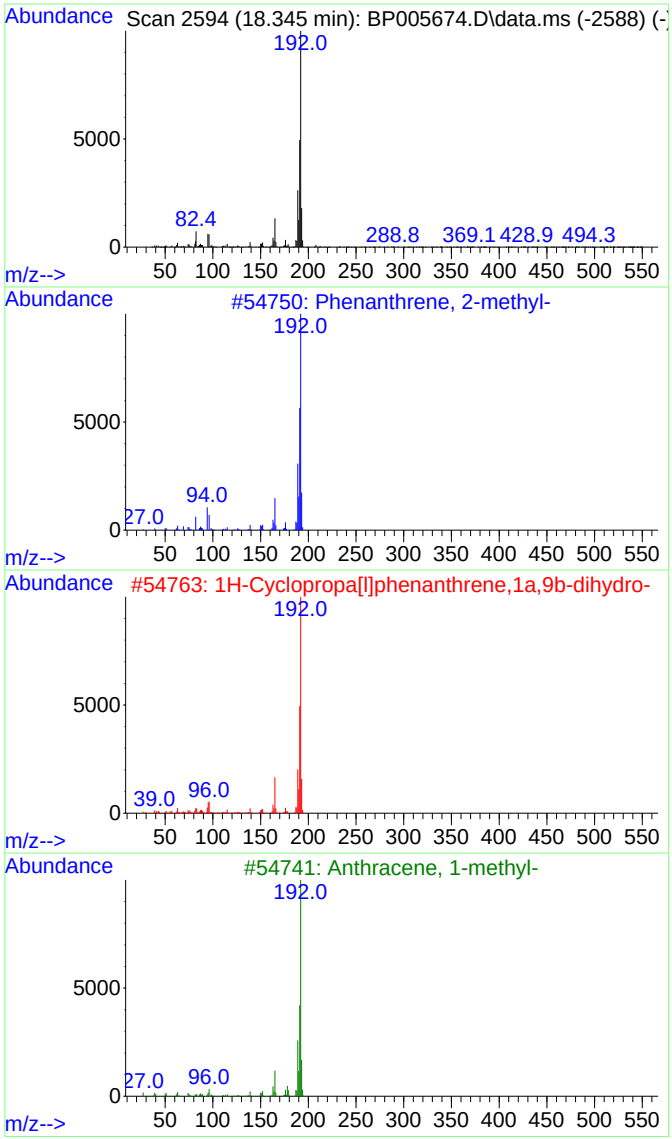
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

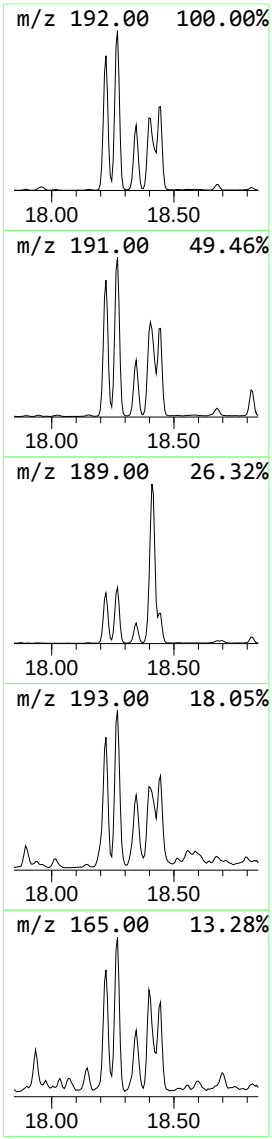
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.345	10.81 ng	1807830	Phenanthrene-d10	17.363

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





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Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

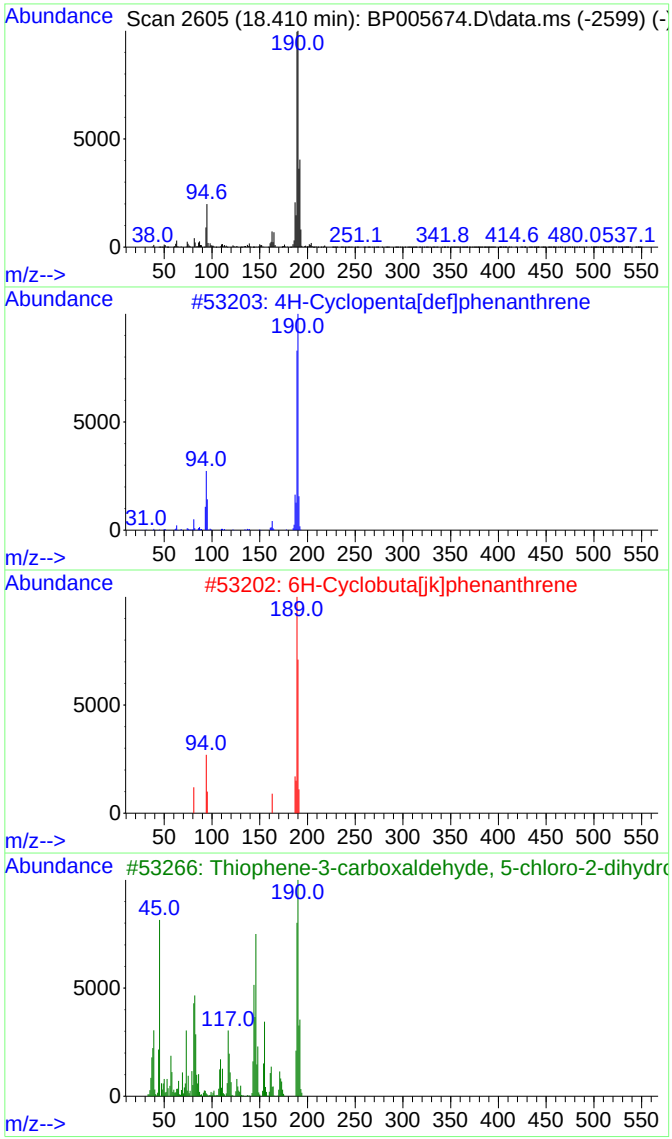
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

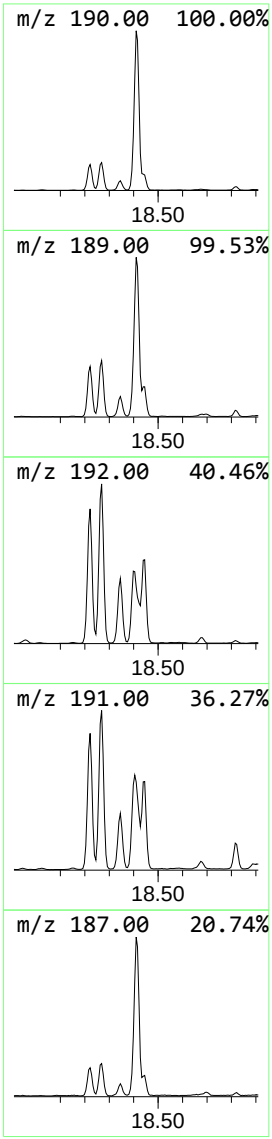
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.410	37.59 ng	6286320	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
18-B4(4-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

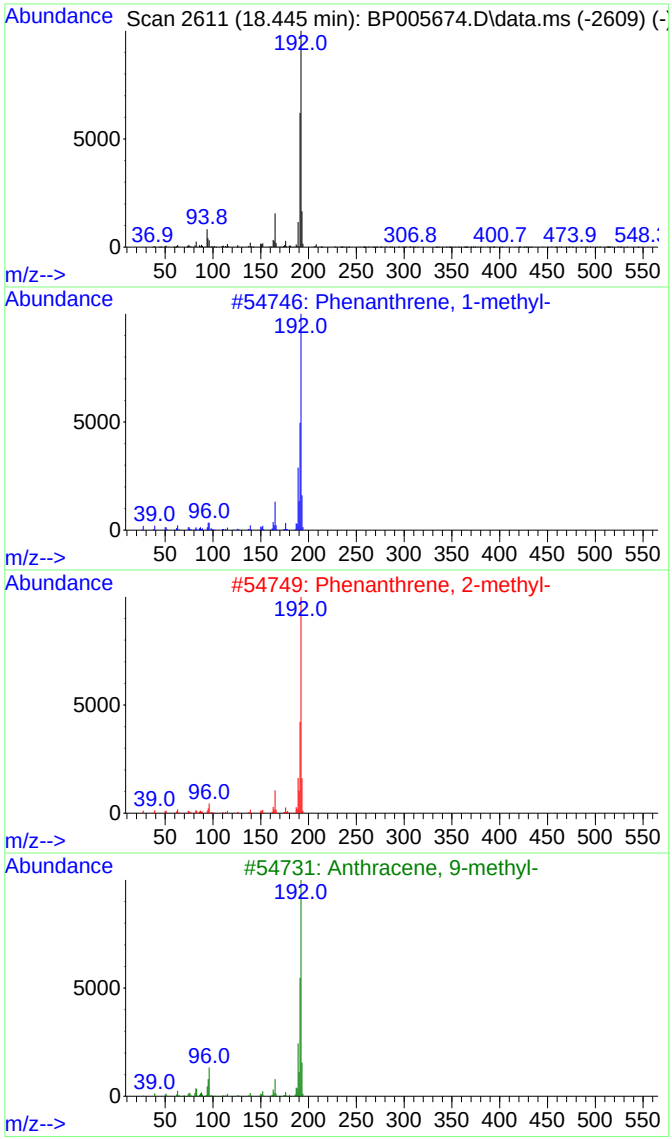
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

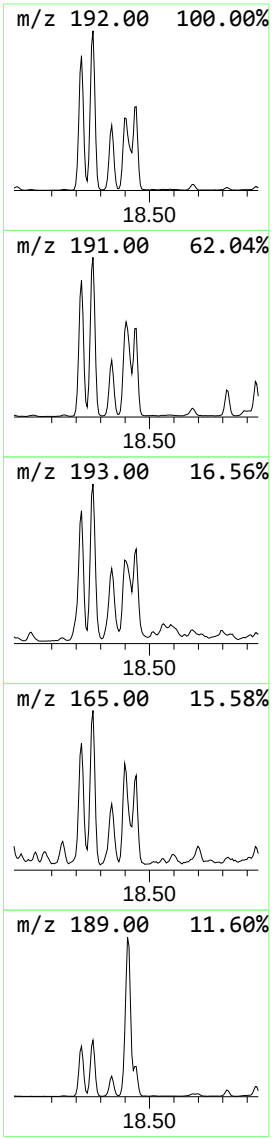
****

Peak Number 15 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.445	9.44 ng	1578490	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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BNA_P
ClientSampleId :
18-B4(4-6)

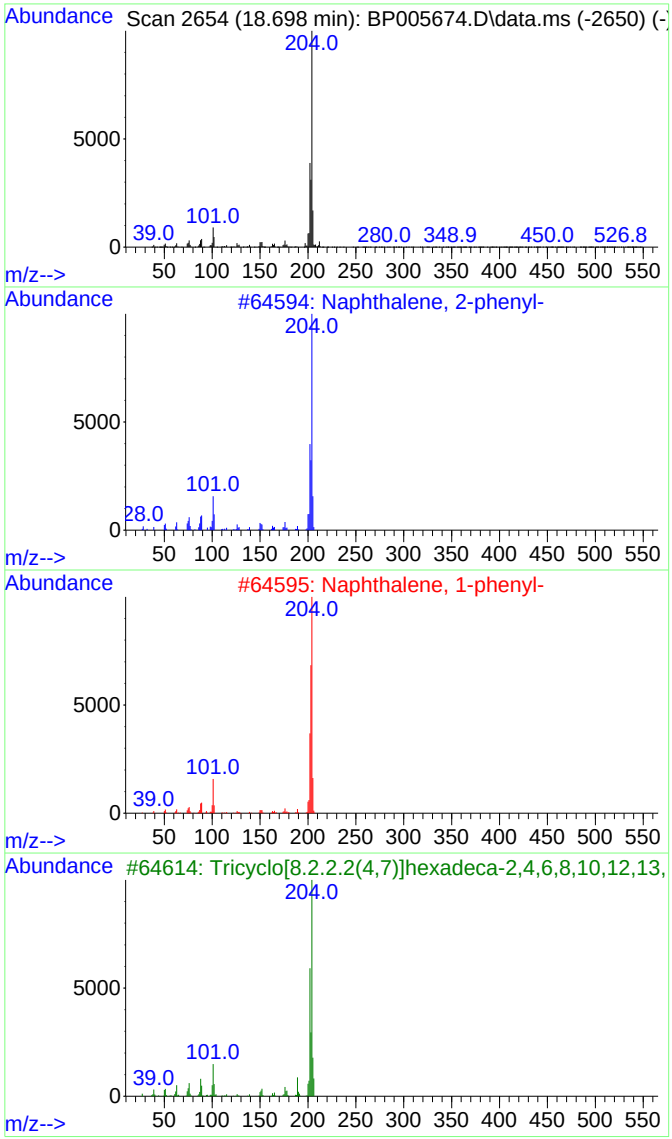
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

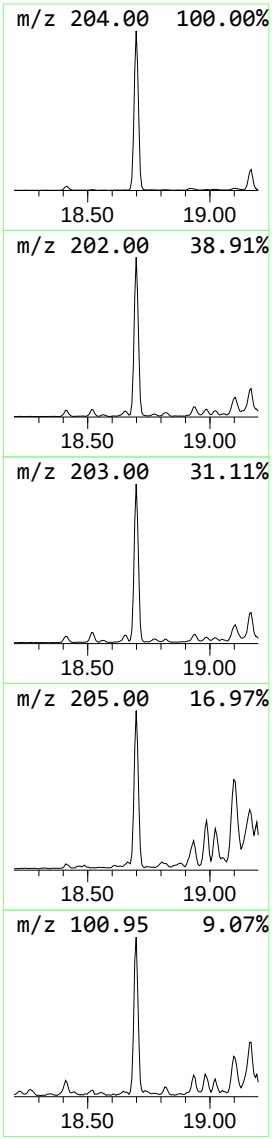
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.698	13.43 ng	2244920	Phenanthrene-d10	17.363

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	55
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

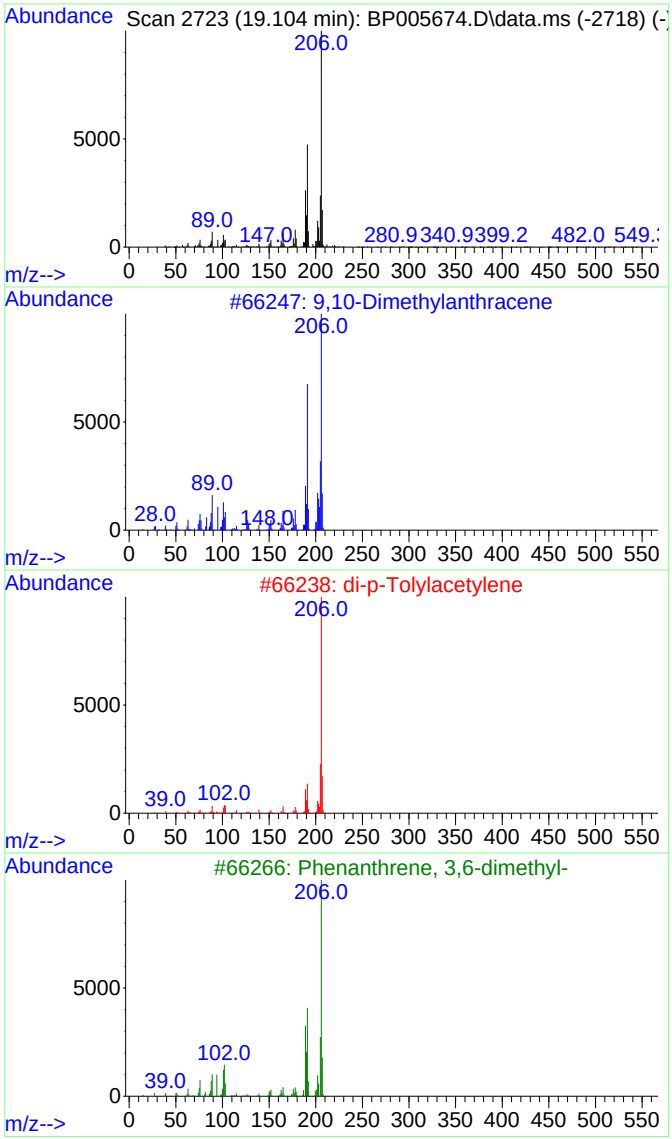
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

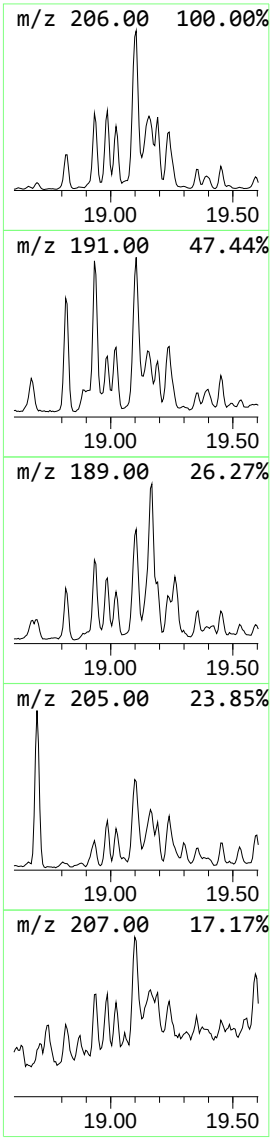
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	9.02 ng	1508010	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Data File : BP005674.D
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Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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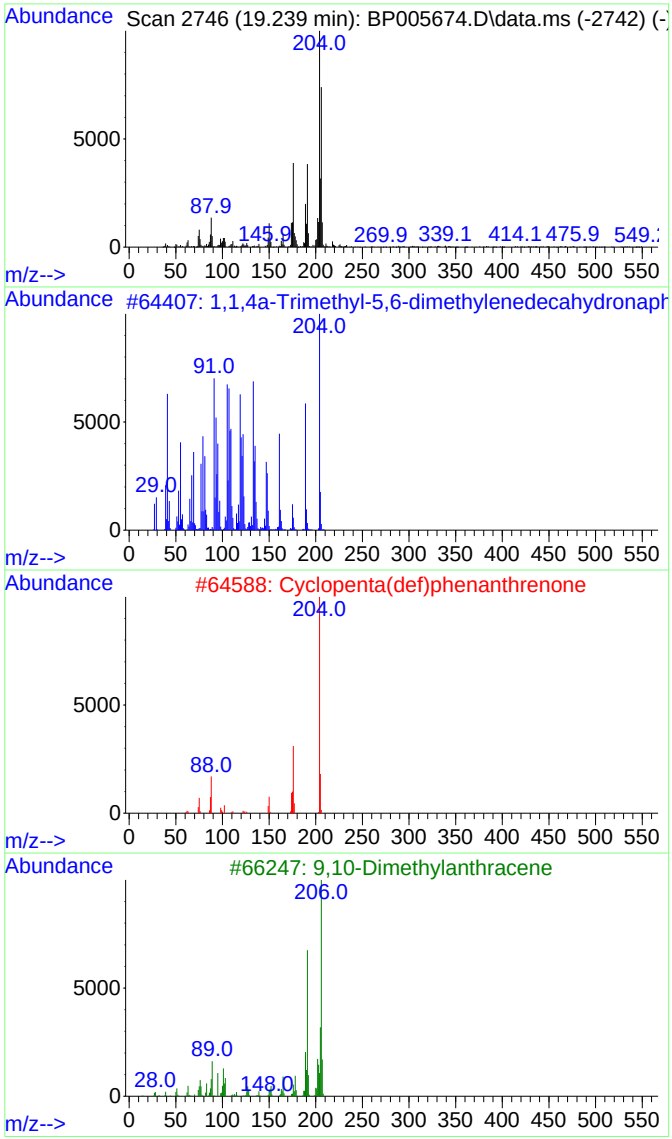
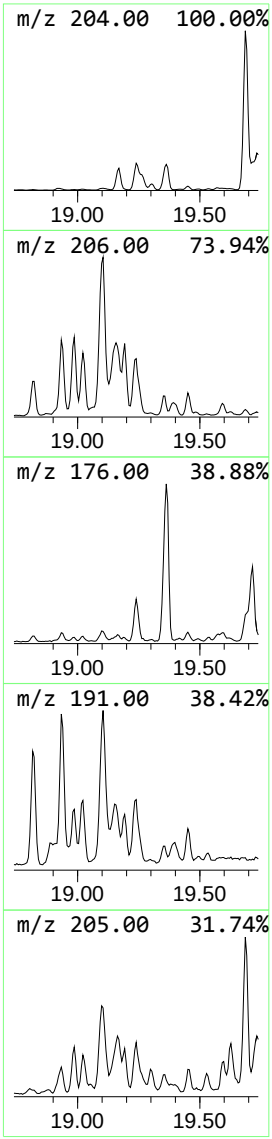
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.239	6.90 ng	1153360	Phenanthrene-d10	17.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	91
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	64
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55





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Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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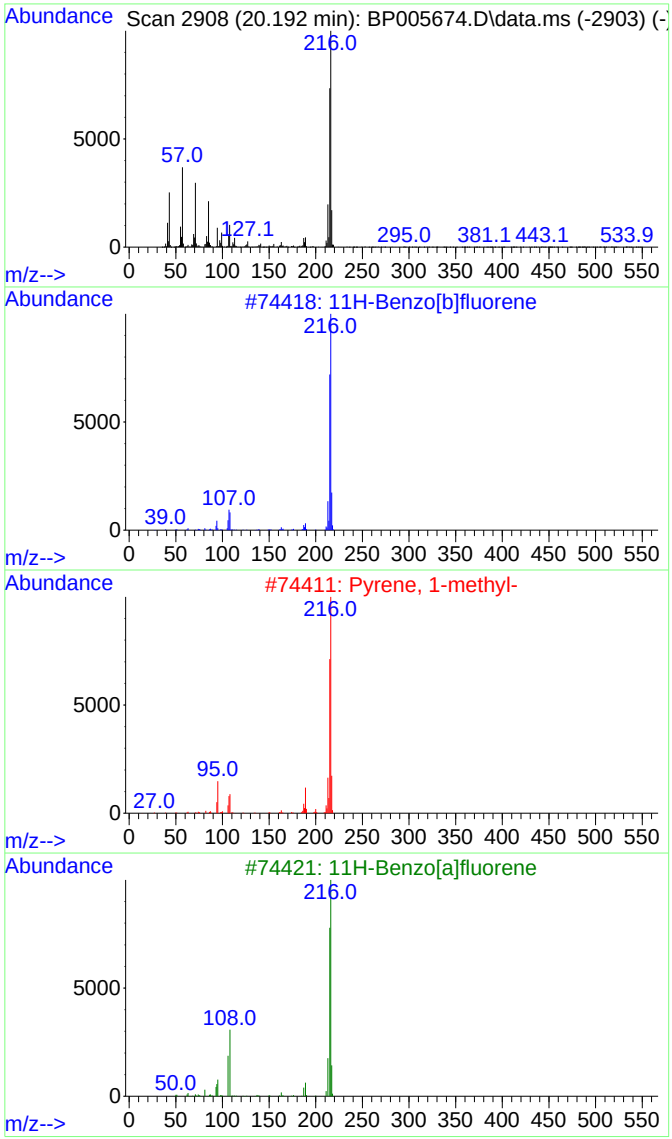
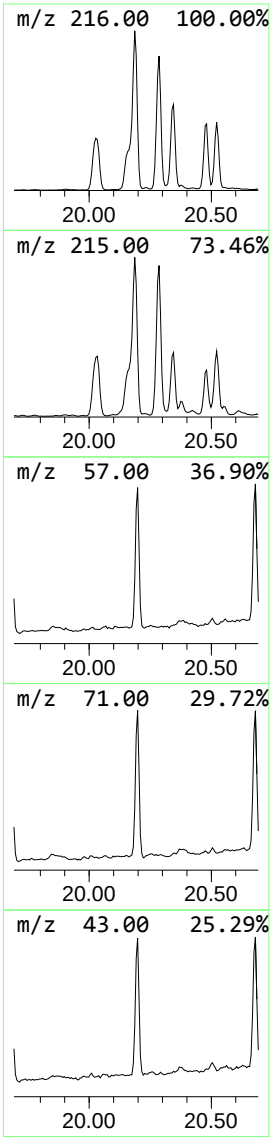
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.192	6.10 ng	4619270	Chrysene-d12	21.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





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Data File : BP005674.D
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Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

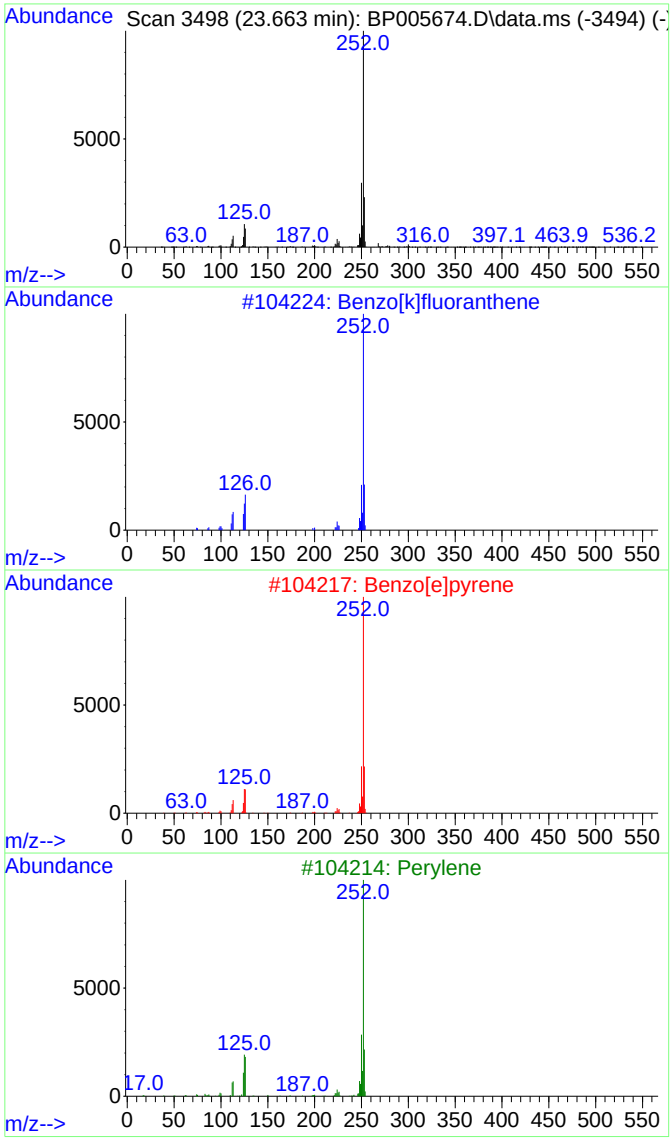
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

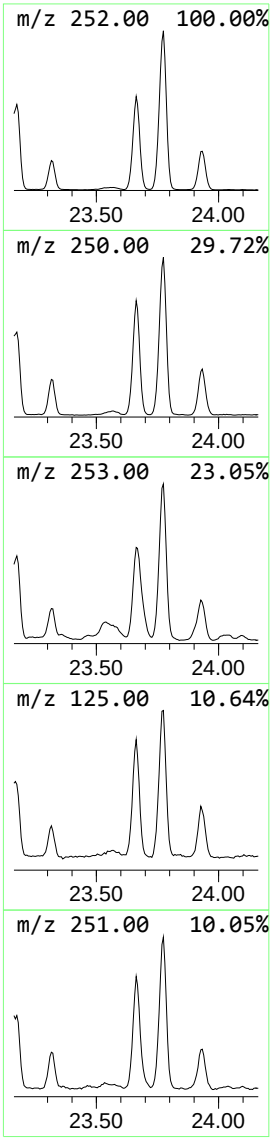
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.663	11.35 ng	6188180	Perylene-d12	23.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : 18-B4(4-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Penten-2-one,...	4.475	8.4	ng	924696	1	7.993	2195090	20.0
2-Pentanone, 4-...	5.087	27.4	ng	3007880	1	7.993	2195090	20.0
Naphthalene, 2,...	13.940	5.5	ng	1021240	3	14.616	3733620	20.0
Diphenylmethane	15.822	5.8	ng	1087120	3	14.616	3733620	20.0
Dibenzofuran, 4...	15.951	5.9	ng	1105210	3	14.616	3733620	20.0
2,4,6-Cyclohept...	16.098	8.0	ng	1335450	4	17.363	3344250	20.0
9H-Fluorene, 1-...	16.663	9.1	ng	1526360	4	17.363	3344250	20.0
9H-Fluoren-9-one	17.010	5.6	ng	936926	4	17.363	3344250	20.0
Anthracene, 1,2...	17.110	11.8	ng	1974550	4	17.363	3344250	20.0
Dibenzothiophene	17.175	14.2	ng	2381540	4	17.363	3344250	20.0
Phenanthrene, 2...	18.222	20.1	ng	3367220	4	17.363	3344250	20.0
Phenanthrene, 1...	18.269	25.8	ng	4320010	4	17.363	3344250	20.0
1H-Cyclopropa[l...	18.345	10.8	ng	1807830	4	17.363	3344250	20.0
4H-Cyclopenta[d...	18.410	37.6	ng	6286320	4	17.363	3344250	20.0
Anthracene, 9-m...	18.445	9.4	ng	1578490	4	17.363	3344250	20.0
Naphthalene, 2-...	18.698	13.4	ng	2244920	4	17.363	3344250	20.0
9,10-Dimethylan...	19.104	9.0	ng	1508010	4	17.363	3344250	20.0
1,1,4a-Trimethy...	19.239	6.9	ng	1153360	4	17.363	3344250	20.0
11H-Benzo[b]flu...	20.192	6.1	ng	4619270	5	21.427	15133100	20.0
Benzo[e]pyrene	23.663	11.4	ng	6188180	6	23.880	10901800	20.0