LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

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_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.346	395	401	414	rBV	1243919	1864138	47.25%	6.468%
2	6.934	663	671	685	rBV	1208394	1975594	50.08%	6.855%
3	7.298	725	733	746	rBV	1246132	2029071	51.44%	7.040%
4	7.763	806	812	820	rBV	244271	384756	9.75%	1.335%
5	8.081	859	866	874	rBV	949387	1529869	38.78%	5.308%
6	8.934	1002	1011	1025	rBV	659662	1196253	30.32%	4.151%
7	10.557	1280	1287	1304	rBV	256826	461251	11.69%	1.600%
8	13.027	1700	1707	1721	rBV	1614758	2457655	62.30%	8.527%
9	13.869	1843	1850	1860	rBV	165552	235427	5.97%	0.817%
10	14.133	1890	1895	1901	rBV	48831	76677	1.94%	0.266%
11	14.410	1936	1942	1954	rBV2	415172	634316	16.08%	2.201%
12	15.904	2190	2196	2214	rBV	1542414	2202486	55.83%	7.642%
13	17.157	2403	2409	2414	rBV	541376	821591	20.83%	2.851%
14	17.198	2414	2416	2427	rVB	122914	178825	4.53%	0.620%
15	17.292	2427	2432	2438	rBV	31954	48938	1.24%	0.170%
16	18.039	2554	2559	2563	rBV2	144455	215059	5.45%	0.746%
17	18.080	2563	2566	2572	rVB	55145	82378	2.09%	0.286%
18	18.221	2585	2590	2595	rBV2	58391	106975	2.71%	0.371%
19	18.262	2595	2597	2604	rVB	39851	52343	1.33%	0.182%
20	18.539	2637	2644	2648	rBV2	42725	60308	1.53%	0.209%
21	18.586	2648	2652	2661	rVB2	42551	67556	1.71%	0.234%
22	18.951	2710	2714	2719	rBV	60047	100377	2.54%	0.348%
23	19.098	2734	2739	2744	rBV3	45737	84254	2.14%	0.292%
24	19.221	2750	2760	2766	rBV	272943	397484	10.08%	1.379%
25	19.321	2773	2777	2782	rBV5	31582	49414	1.25%	0.171%
26	19.368	2782	2785	2790	rVV	50758	71858	1.82%	0.249%
27	19.486	2802	2805	2810	rVB	33095	45188	1.15%	0.157%
28	19.586	2817	2822	2830	rVB	501019	699312	17.73%	2.426%
29	19.656	2830	2834	2839	rVB3	28466	42316	1.07%	0.147%
30	19.786	2851	2856	2868	rVB	3270870	3944915	100.00%	13.687%
31	19.903	2871	2876	2886	rVB5	53646	135551	3.44%	0.470%
32	20.056	2895	2902	2903	rBV4	62433	120695	3.06%	0.419%
33	20.239	2929	2933	2936	rVV	82430	97811	2.48%	0.339%
34	20.374	2952	2956	2961	rBV	89406	123717	3.14%	0.429%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

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_M\METHODS\8270-BM043019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.421	2961	2964	2968	rVB	59891	75791	1.92%	0.263%
36	20.827	3030	3033	3040	rVB	56449	82302	2.09%	0.286%
37	20.992	3058	3061	3065	rVB2	45653	63430	1.61%	0.220%
38	21.045	3065	3070	3078	rBV3	239972	436137	11.06%	1.513%
39	21.345	3114	3121	3125	rBV2	948868	1611859	40.86%	5.593%
40	21.386	3125	3128	3137	rVB	306627	437342	11.09%	1.517%
41	21.556	3153	3157	3168	rVB2	92095	175064	4.44%	0.607%
42	21.903	3213	3216	3221	rVV2	60051	88567	2.25%	0.307%
43	21.950	3222	3224	3231	rVB2	64211	107094	2.71%	0.372%
44	22.392	3296	3299	3306	rBV5	54666	92790	2.35%	0.322%
45	22.944	3388	3393	3406	rVB2	237711	694294	17.60%	2.409%
46	23.433	3470	3476	3482	rBV	225368	450009	11.41%	1.561%
47	23.533	3488	3493	3499	rVB	239748	436503	11.06%	1.515%
48	23.633	3504	3510	3516	rVV	552041	1057688	26.81%	3.670%
49	25.956	3899	3905	3916	rVB3	144461	418275	10.60%	1.451%

Sum of corrected areas: 28821503

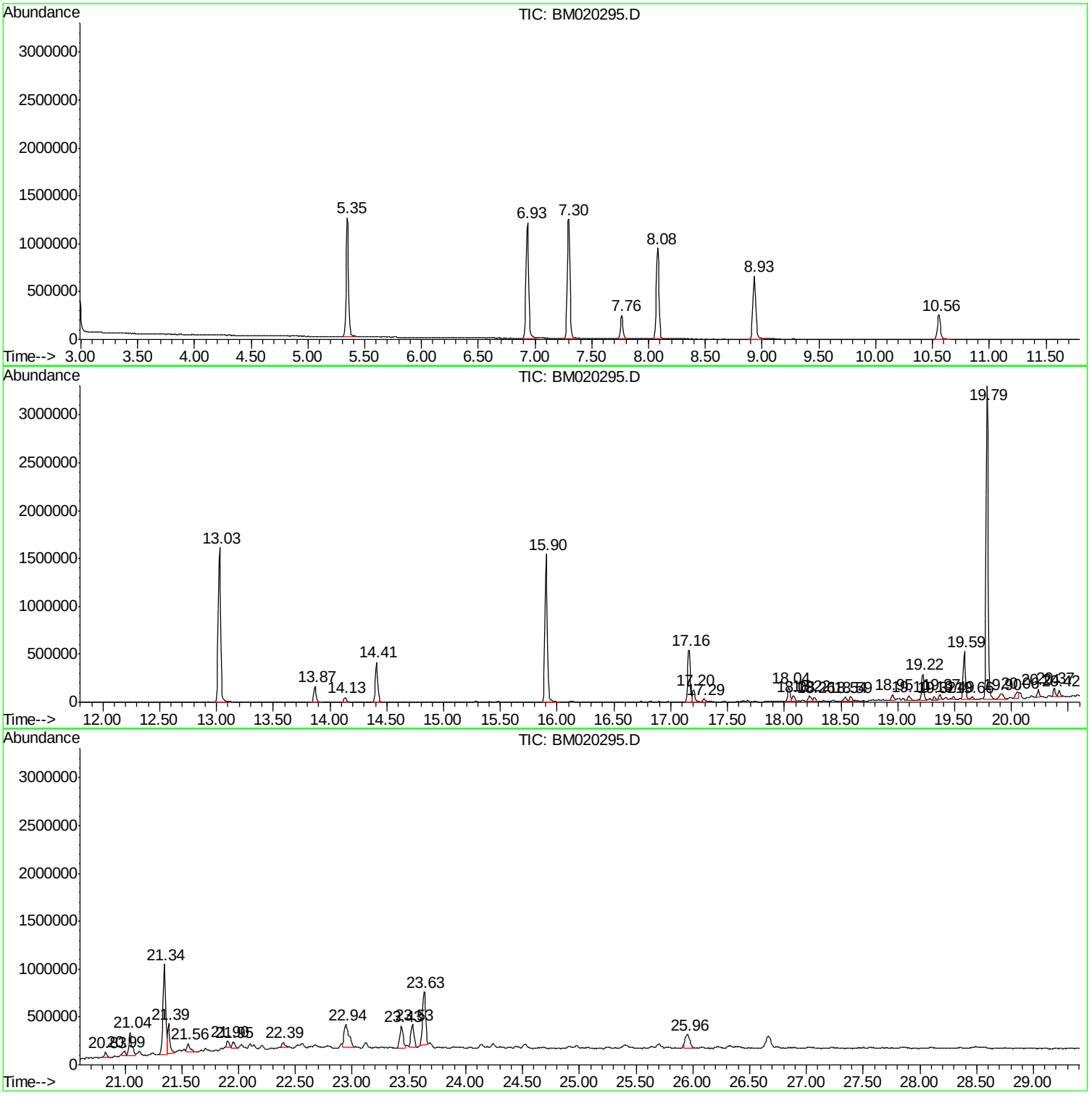
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

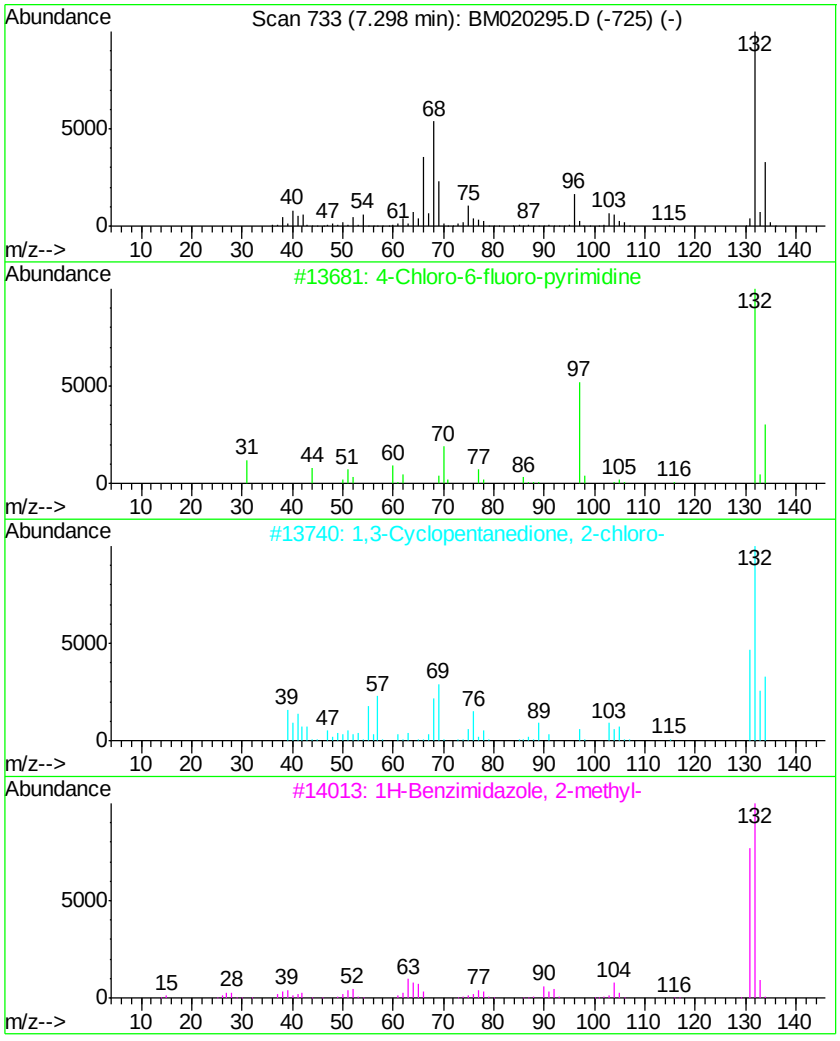
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

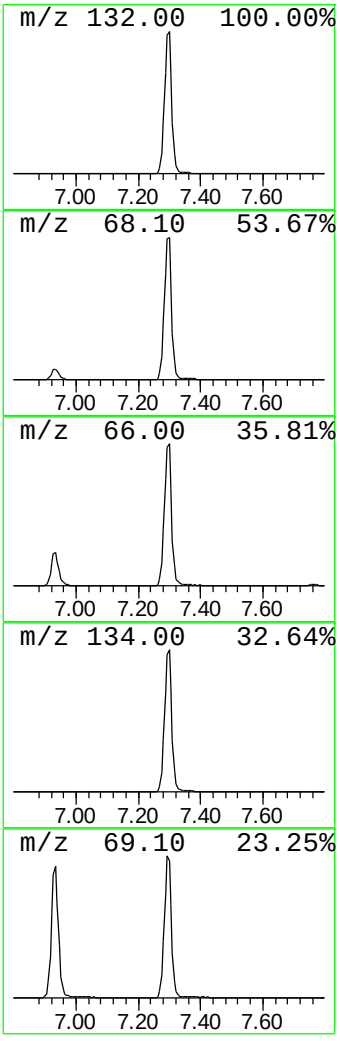
****

Peak Number 1 unknown7.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	105.47 ng	2029070	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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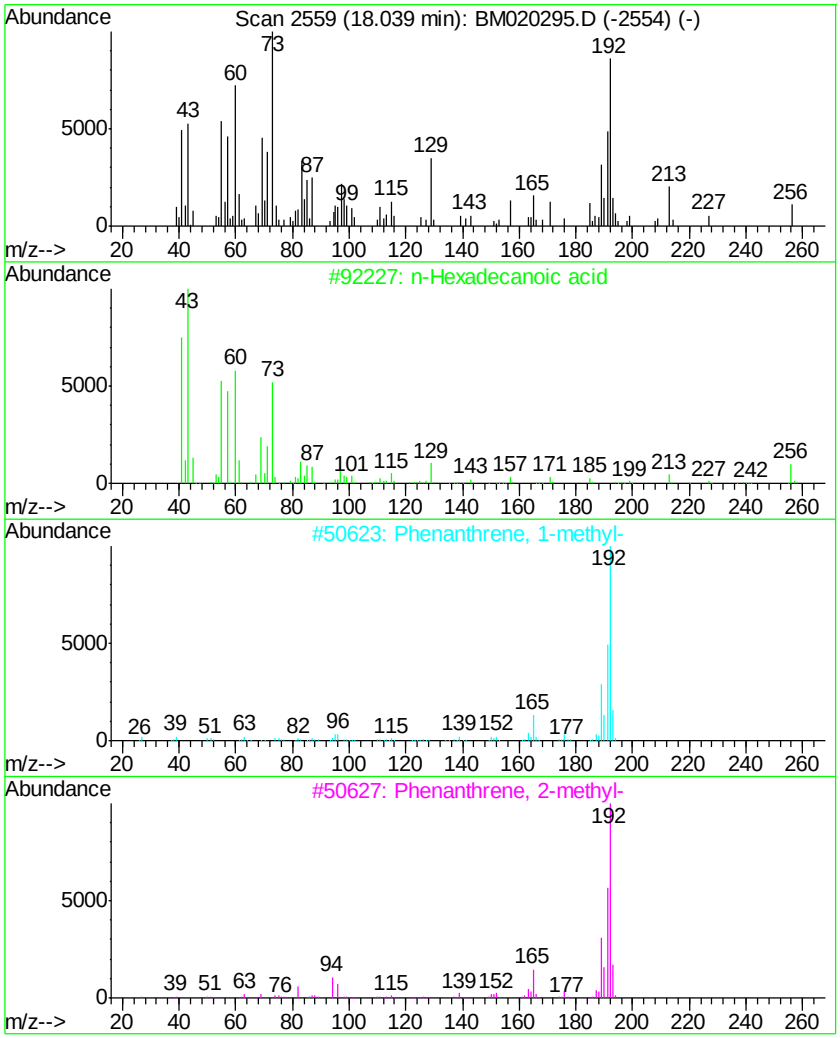
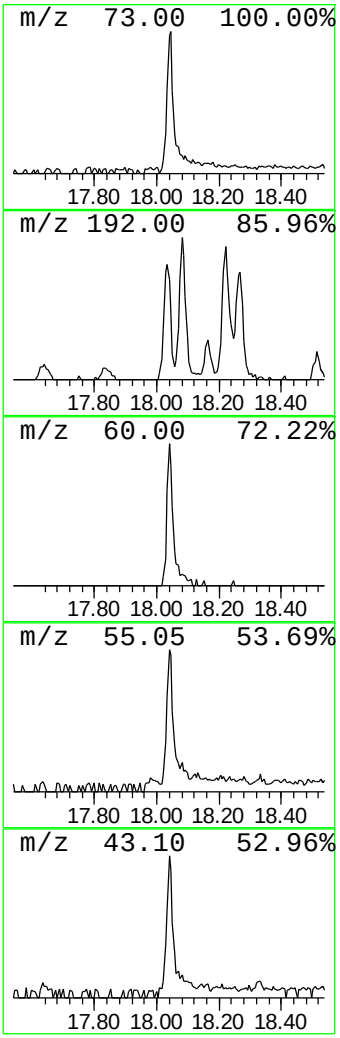
Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	5.24 ng	215059	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	52
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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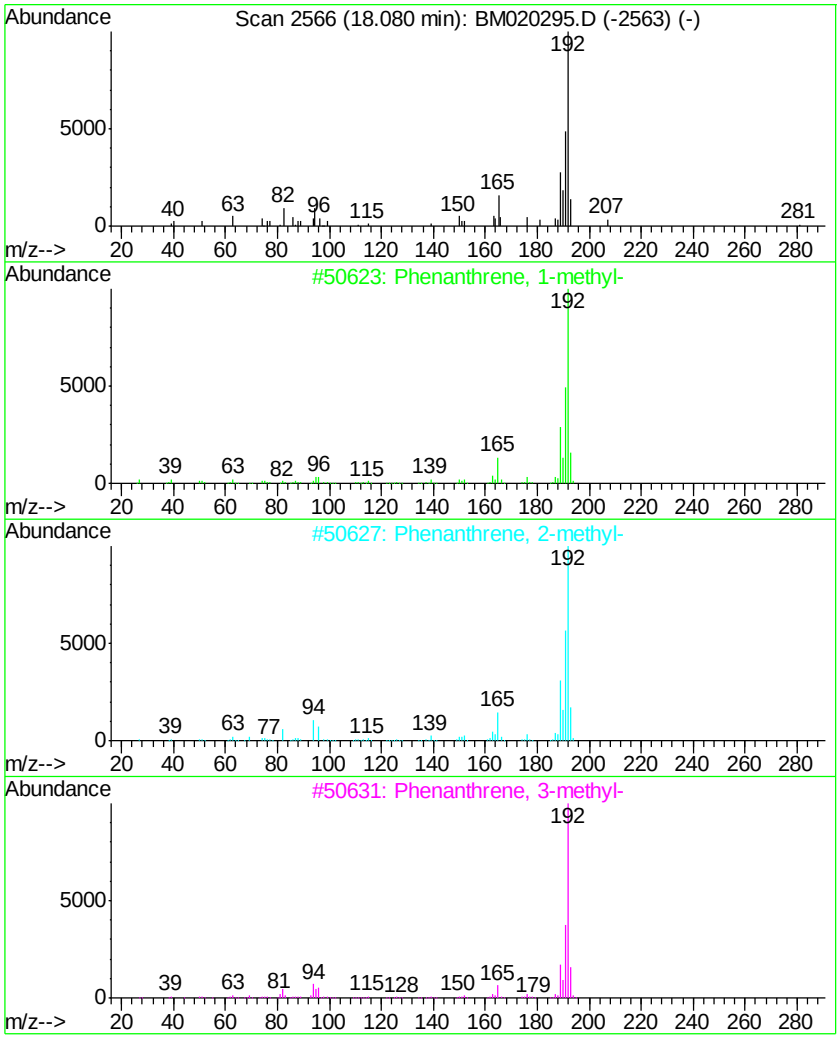
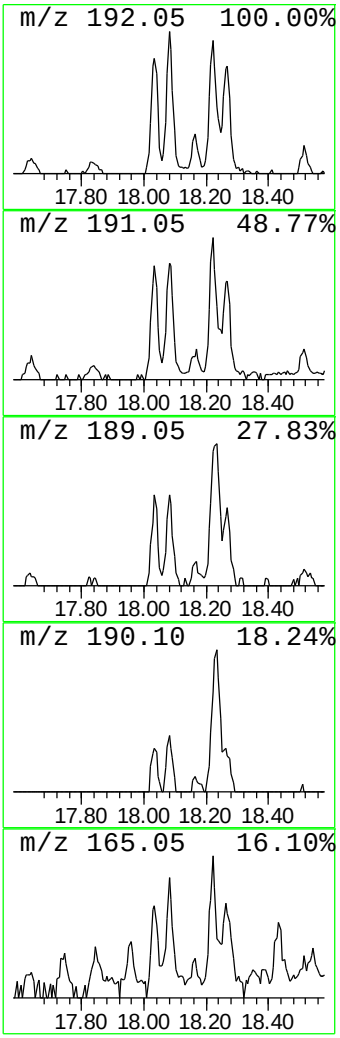
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.01 ng	82378	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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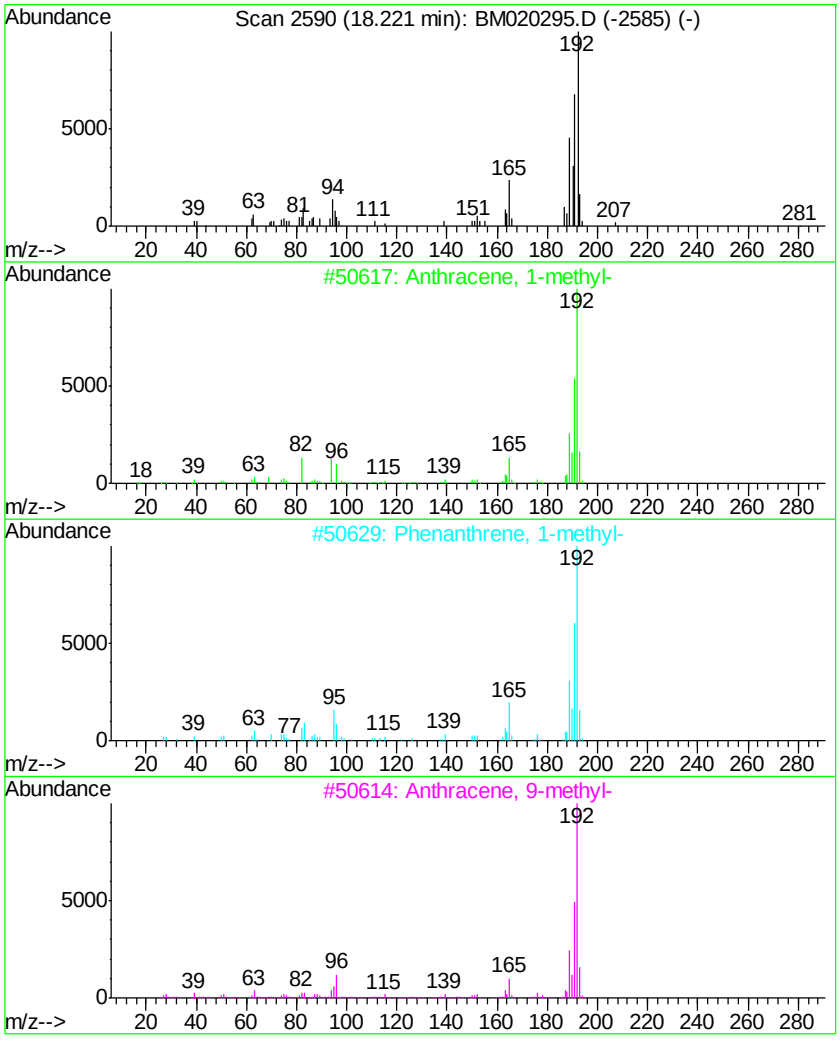
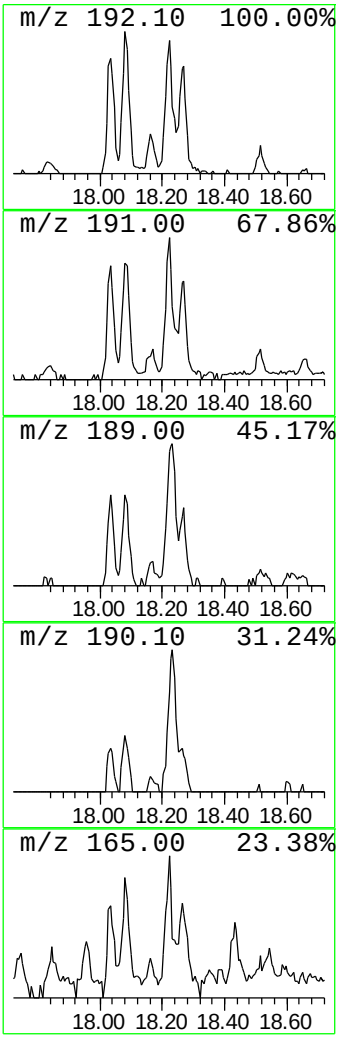
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.60 ng	106975	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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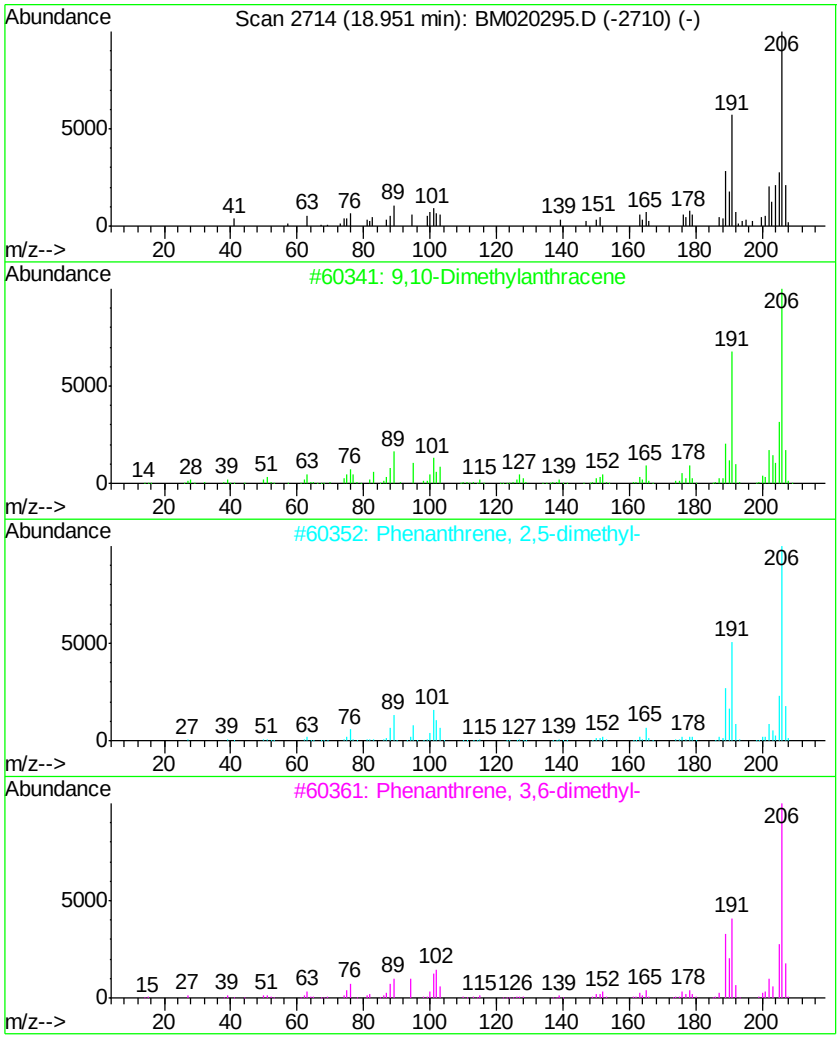
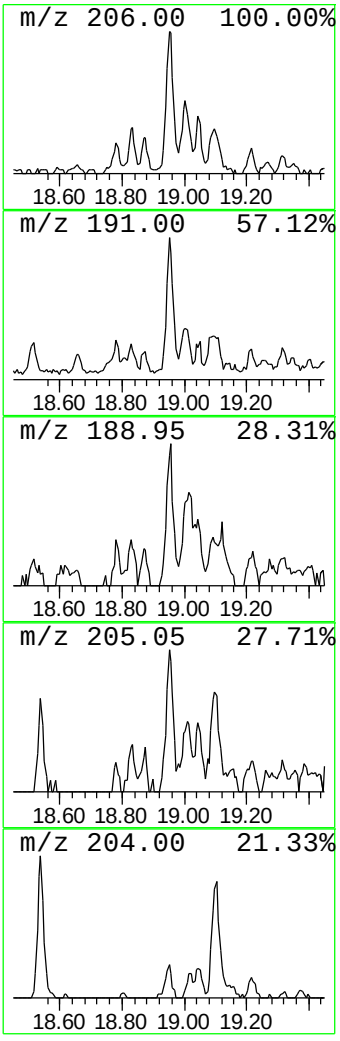
Peak Number 6 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	2.44 ng	100377	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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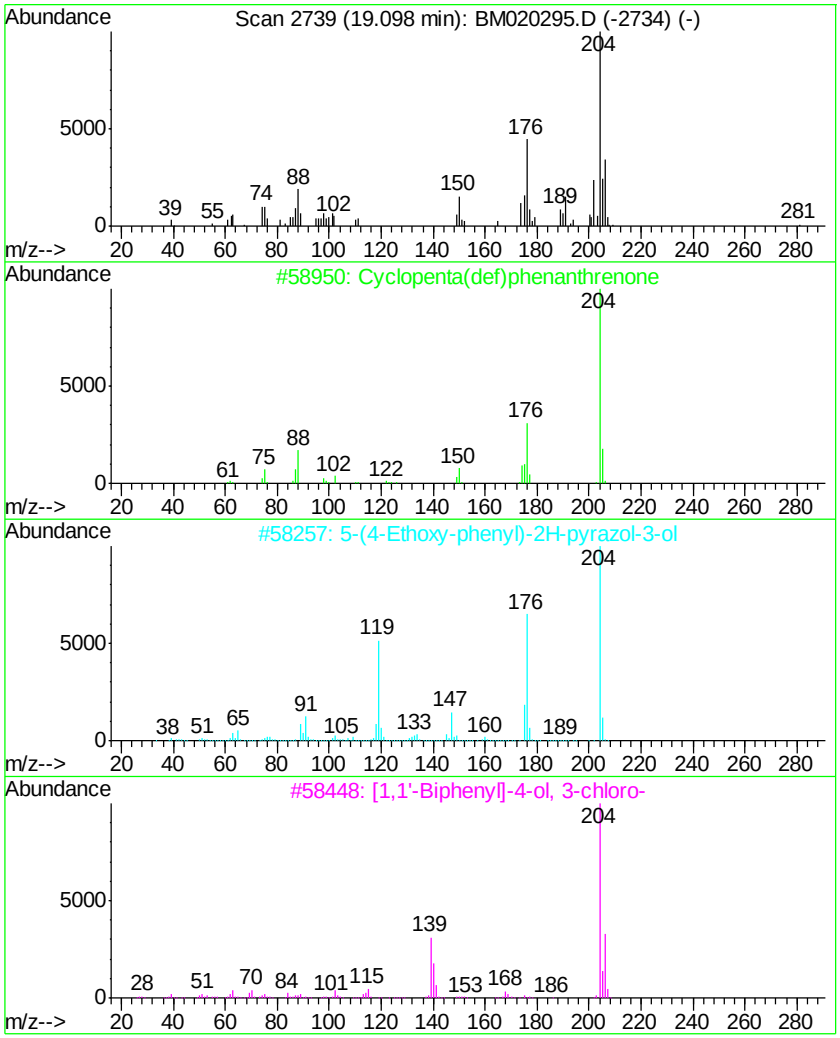
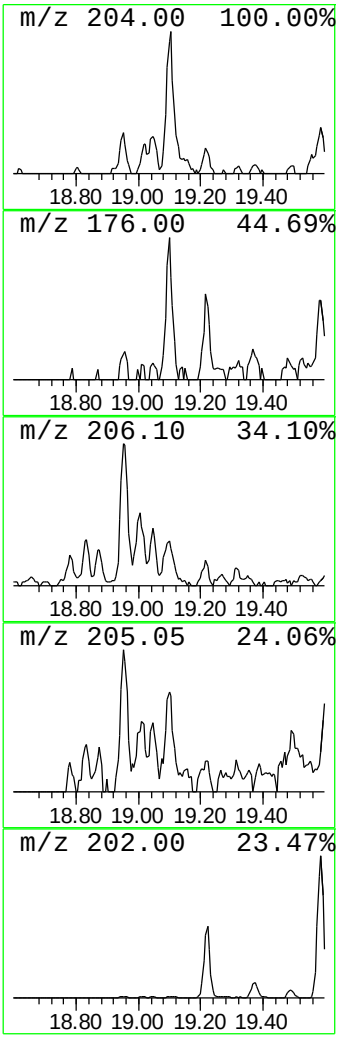
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.05 ng	84254	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	43
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	38
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
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Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

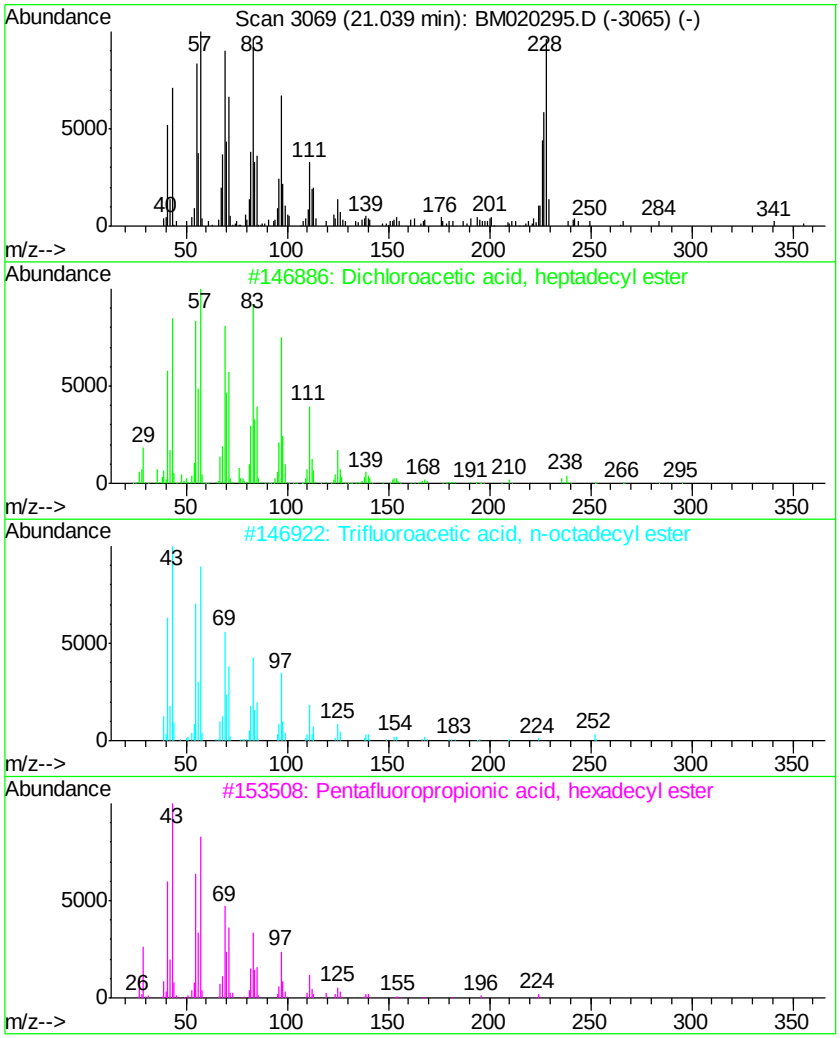
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

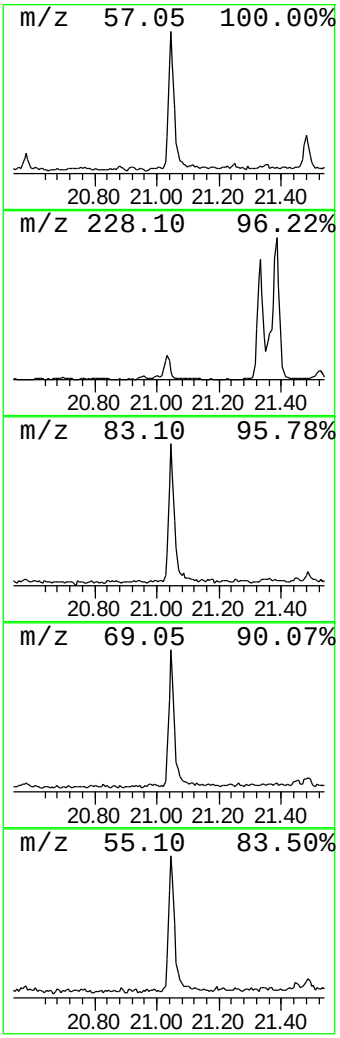
****

Peak Number 8 Dichloroacetic acid, heptad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	5.41 ng	436137	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91
4	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	90
5	Isoheptadecanol	256	C17H36O	057289-07-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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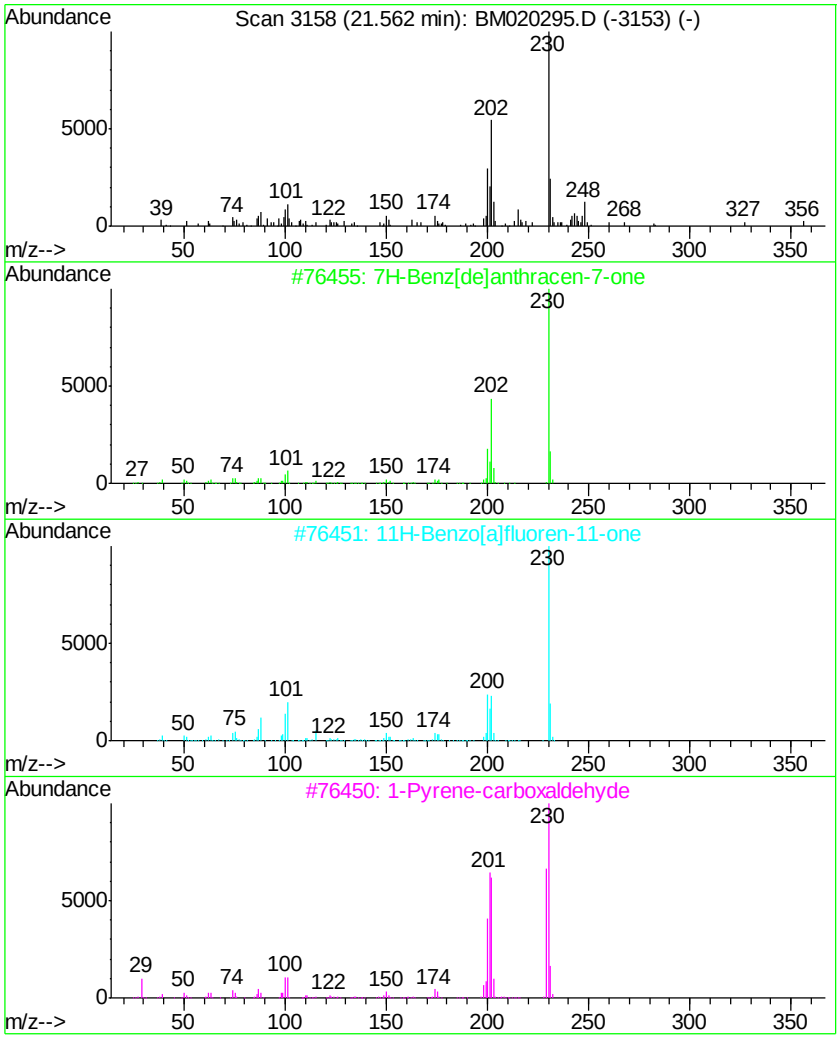
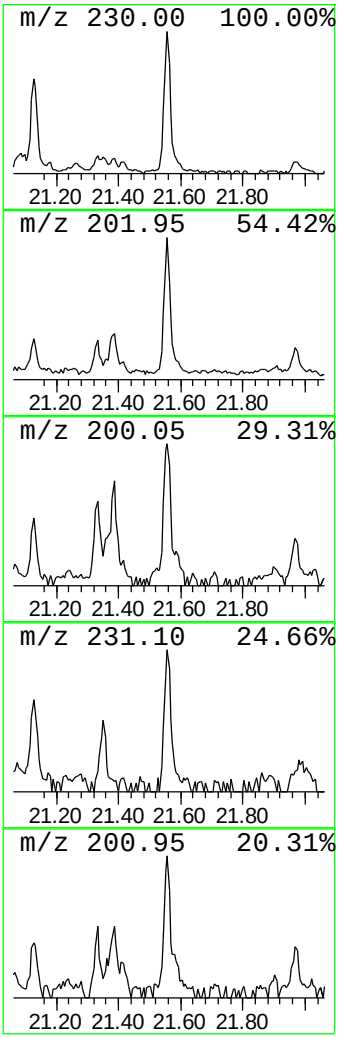
Peak Number 9 7H-Benz[de]anthracen-7-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.17 ng	175064	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	81
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	53
4	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	47
5	m-Terphenyl	230	C18H14	000092-06-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

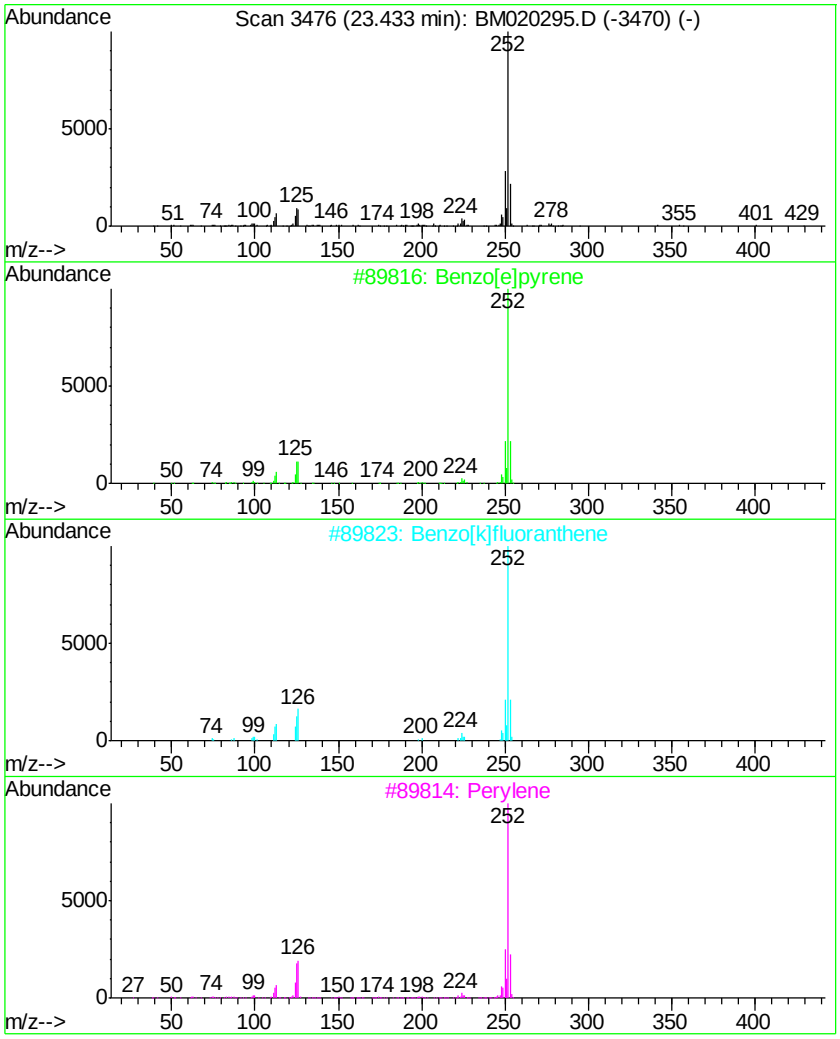
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

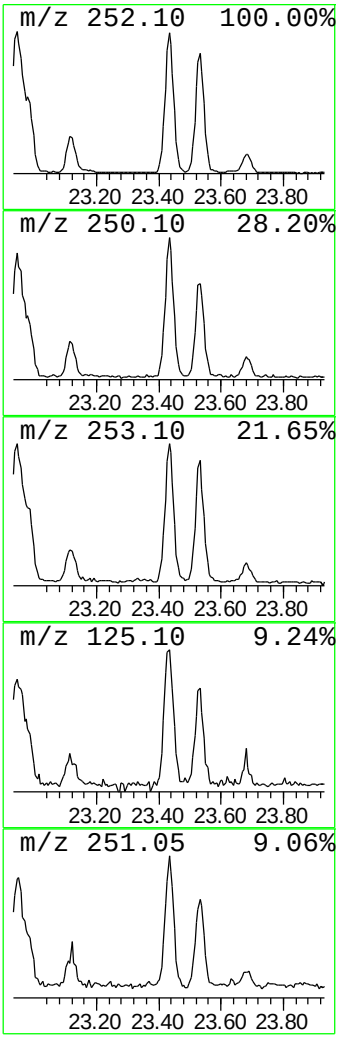
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	8.51 ng	450009	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
Data File : BM020295.D
Acq On : 12 May 2019 13:08
Operator : JU/SJ
Sample : K2766-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P026-SS006-1218-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.30	7.30	105.5	ng	2029070	1	7.76	384756	20.0
n-Hexadecanoic acid	18.04	5.2	ng	215059	4	17.16	821591	20.0
Phenanthrene, 1-m...	18.08	2.0	ng	82378	4	17.16	821591	20.0
Anthracene, 1-met...	18.22	2.6	ng	106975	4	17.16	821591	20.0
9,10-Dimethylanth...	18.95	2.4	ng	100377	4	17.16	821591	20.0
Cyclopenta(def)ph...	19.10	2.0	ng	84254	4	17.16	821591	20.0
Dichloroacetic ac...	21.04	5.4	ng	436137	5	21.35	1611860	20.0
7H-Benz[de]anthra...	21.56	2.2	ng	175064	5	21.35	1611860	20.0
Benzo[e]pyrene	23.43	8.5	ng	450009	6	23.63	1057690	20.0